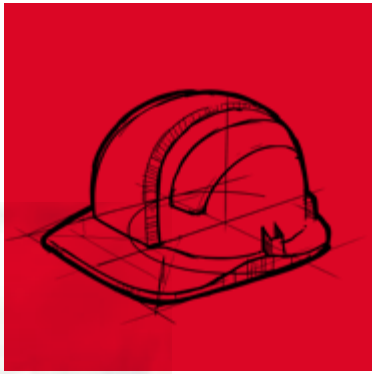
# Firestopping
## Standard Details



ROCKWOOL®

# **Firestopping**
# Standard Details

The ROCKWOOL FIREPRO® range of products provides firestopping and fire resistance throughout the whole construction process; intended to make buildings and their inhabitants safer in the event of fire. Beyond ROCKWOOL insulation's inherent fire resistant qualities, our specialist range of products help architects, contractors and developers conform to current fire regulations. Our range of fire resistance products cater for most general purpose and specialty building applications:

- Structural protection
- Penetration seals
- Joints
- Cavity barriers Heating, ventilation and air conditioning
- Process pipes

**Interested**

For further information on ROCKWOOL FIREPRO® products and solutions, contact the Technical Solutions Team on 01656 862 621 or email: info@rockwool.co.uk.

Visit www.rockwool.co.uk to view our complete range of products and services.

# Contents

# Contents

# ROCKWOOL Firestopping Guide

1. ROCKWOOL will not support mixing fire protection of differing manufacturers systems/products of any type in line with ASFP recommendations, unless proven by fire testing.

2. ROCKWOOL products should be installed in accordance with the relevant product data sheet and within the field of application identified on the standard details. For applications that fall out the parameters identified in the standard details or data sheets please contact ROCKWOOL for further guidance.

3. Engineering judgements are an appraisal of the likely performance of the installed ROCKWOOL products in that application when subjected to a fire resistance test. It is offered in lieu of direct formal testing and is based upon ROCKWOOL's experiences of product performance during fire resistance testing. For this reason, before installation, engineering judgements used onsite should be reviewed and accepted by Building Control and/or the scheme Fire Officer or the overseeing body for the project.

4. All penetrations within the dry lining system shall be framed and lined. As a reflection of the fire test standard, all partitions are based upon 2 No. 12.5 mm thick plasterboards to each side of the stud. For solutions to partitions of a different make up including; fewer boards, thinner boards or different finish materials, please contact ROCKWOOL for further guidance.

   A pattress fit option with ROCKWOOL Batts is available, but please check for its suitability.

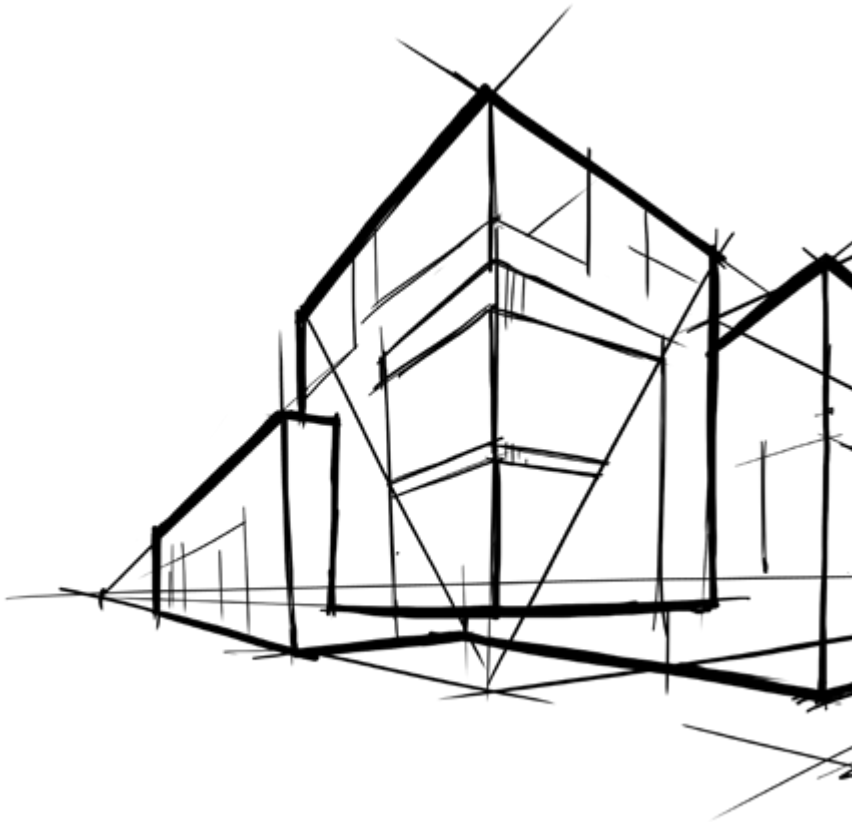
5. Design of the penetration and its fire stopping should consider and correspond to the integrity and insulation requirements of the host wall or floor, unless leniency on the insulation rating is provided by the fire officer or overseeing body via a derogation.

6. Services of different types can pass through the same penetration, with the exception of ventilation (ducts and dampers) which should pass exclusively through its own penetration, as per the EN test guidance.

7. Fire dampers and smoke dampers are to be independently supported from the soffit; therefore, care should be taken where other services pass above the ventilation penetrations. Please refer to the damper manufacturer's details and specification.

8. Support for services passing through walls should be within 500mm on each side. Services passing through floors should be supported at each level, as per industry and ASFP guidance.

9. With reference to penetration spacings, please refer to the ROCKWOOL Spacing Guidelines Document.



# ROCKWOOL Penetration spacing guidelines

The information below is a direct reflection of our supporting test data, however we can review spacings and performance on a case by case basis, subject to fire ratings, differing substrates and available testing, please contact ROCKWOOL for further support.

Technical solutions: 01656 868490 / technical.solutions@rockwool.co.uk

| Cable trays & ladders through double 50/60mm batt wall seals - Minimum separation | | | | | |
|---|---|---|---|---|---|
| | | | | Fire rating (minutes) | |
| Service | Aperture size | Aperture edge separation | Service separation | E (integrity) | I (insulation) |
| Ladders ≤350mm wide | 1200mm x 600mm | 0mm | 50mm between trays / 0mm between ladders | 120 | 90 |
| Trays ≤500mm wide | 1200mm x 600mm | 0mm | | 120 | 60 |
| Cables ≤80mm | 1200mm x 600mm | 0mm | | 120 | *Variable |
| Bunches 100mm Dia. | 1200mm x 600mm | 0mm | | 120 | 90 |
| Metal Conduits ≤16mm | 1200mm x 600mm | 0mm | | 120 | 60 |
| Plastic Conduits ≤16mm | 1200mm x 600mm | 0mm | | 120 | 120 |

*Please contact ROCKWOOL Technical with cable size and type

| Non-combustible pipes with Rocklap H&V lagging through double 50/60mm batt wall seals - Minimum separation | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Fire rating (minutes) | |
| Pipe Type | Pipe Dia. (mm) | H&V insulation thk (mm) | Aperture size | Aperture edge separation | Service separation | Service configuration | E (integrity) | I (insulation) |
| Copper | 40 - 108 | 25 | 1200 x 1200 | 0mm | 0mm | Cluster & Linear | 90 | 90 |
| Steel | 40 - 168 | 25 | 1200 x 1200 | 0mm | 0mm | Cluster & Linear | 90 | 90 |
| Copper | 40 - 108 | 40 | 1200 x 1200 | 0mm | 0mm | Cluster & Linear | 120 | 120 |
| Steel | 40 - 168 | 40 | 1200 x 1200 | 0mm | 0mm | Cluster & Linear | 120 | 120 |
| Steel | 168 - 220 | 25 | 1200 x 1200 | 0mm | 100mm | Single | 120 | 120 |
| Copper & steel pipes under cable tray / ladders | 40 - 108 | 25 | 1200 x 600 | 50mm | 10mm | Single | 120 | 120 |

| Insulated fire sleeve through double layer ablative batt wall seals | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | Fire rating (minutes) | |
| Insulated fire sleeve | Pipe type | Pipe diameter | Aperture edge separation | Service separation | E (integrity) | I (insulation) |
| Combustible pipe through batt as pattress or aperture seal | PB / HDPE / PVCu / PVC / ABS | >160mm | 150mm | 150mm | 120 | 120 |

# ROCKWOOL Penetration spacing guidelines

| Wrap on a roll in double layer ablative batt wall seals | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | Fire rating (minutes) | |
| Wrap on a roll application | Pipe type | Pipe diameter | Aperture edge separation | Service separation | E (integrity) | I (insulation) |
| Combustible pipes with wrap in pattress batts | PVCu / PP / HDPE | 200mm | 50mm | 0mm | 60 | 60 |
| Insulated pipes with wrap in pattress batts | Refer to SD-190-RDW | Refer to SD-190-RDW | 128mm | 50mm | Refer to SD-190-RDW | |
| Insulated pipes with wrap in batts | Refer to SD-191-RDW | Refer to SD-191-RDW | 128mm | 50mm | Refer to SD-191-RDW | |

| FireStop Compound Floor Seal | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | Fire rating (minutes) | |
| Seal | Penetration | Pipe diameter | Aperture edge separation | Service separation | E (integrity) | I (insulation) |
| Min. 100mm thick FireStop compound | Non-combustible pipe lagged with H&V pipe section 40mm | Refer to SD-132-RDW | 0mm | 50mm | Refer to SD-132-RDW | |
| | Non-combustible pipe un-lagged | Refer to SD-132-RDW | 0mm | 50mm | Refer to SD-132-RDW | |
| | Cable tray | 500mm wide | 0mm | 150mm between trays (vertical) | 120 | 120 |
| | Combustible pipe with pipe wrap | ≤168mm | 50mm | 50mm | Refer to SD-132-RDW | |

| Cable trays & ladders through single 50/60mm batt wall seals - Minimum separation | | | | | |
|---|---|---|---|---|---|
| | | | | Fire rating (minutes) | |
| Service | Aperture size | Aperture edge separation | Service separation | E (integrity) | I (insulation) |
| Ladders ≤350mm wide | 1200mm x 600mm | 0mm | 110mm | 120 | 90 |
| Trays ≤500mm wide | 1200mm x 600mm | 0mm | 75mm | 120 | 60 |
| Cables ≤80mm | 1200mm x 600mm | 0mm | 110mm | 120 | *Variable |
| Bunches 100mm Dia. | 1200mm x 600mm | 0mm | 75mm | 120 | 90 |
| Metal Conduits ≤16mm | 1200mm x 600mm | 0mm | 110mm | 120 | 60 |
| Plastic Conduits ≤16mm | 1200mm x 600mm | 0mm | 75mm | 120 | 120 |

*Please contact ROCKWOOL Technical with cable size and type

| High expansion sealant in single 60mm batt wall seals | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Spacings | |
| Wall | Pipe diameter | Pipe type | Annular | Seal depth | Backer | E (integrity) | I (insulation) | Aperture | Services |
| 100mm Drywall | 40mm | Pvc & HDPE | 20mm | 60mm | None - Full depth | 120 | 60 | 30mm | 30mm |
| 100mm Drywall | 40 - 63mm | Pvc & HDPE | 20mm | 60mm | None - Full depth | 90 | 60 | 30mm | 30mm |

# ROCKWOOL Penetration spacing guidelines

| High expansion sealant in double 50mm ablative batt wall seals | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Spacings | |
| Wall | Pipe diameter | Pipe type | Annular | Seal depth | Backer | E (integrity) | I (insulation) | Aperture | Services |
| 100mm Drywall | 40-63mm | PVC & HDPE | 20mm | 25mm (each face) | PE Rod | 120 | 120 | 30mm | 30mm |

| High expansion sealant in double 50mm ablative batt wall seals | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | Fire rating (minutes) | |
| Seal | Penetration | Pipe diameter / size | Aperture edge separation | Service separation | E (integrity) | I (insulation) |
| Double 50mm ablative batt | Combustible pipes | Refer to SD-176-RDW | 110mm | 140mm | 120 | 120 |
| | Cable tray | ≤500mm x 50mm | 75mm | - | 120 | 120 |

| Single 60mm ablative batt wall seals | | | | |
|---|---|---|---|---|
| | | | Spacings | |
| | E (integrity) | I (insulation) | Aperture | Services |
| Ladders ≤250 | 60 | 60 | 0mm | 0mm laterally / 30mm vertically |
| Ladders ≤350 | 60 | 30 | 0mm | 0mm laterally / 30mm vertically |
| Perf Trays ≤450 | 90 | 30 | 0mm | 30mm |
| Trays ≤450 | 90 | 30 | 0mm | 30mm |
| Cables ≤21 | 90 | 60 | 0mm | 30mm |
| Cables 22 - 28 | 90 | 30 | 0mm | 30mm |
| Cables 29 - 50 | 90 | 60 | 0mm | 30mm |
| Cables 51 - 80 | 60 | 60 | 0mm | 30mm |
| Metal Conduits | 90 | 15 | 0mm | 30mm |
| Plastic Conduits | 90 | 60 | 0mm | 30mm |
| Bunch | 90 | 30 | 0mm | 30mm |
| Trunking 300 x 150 (Empty) | 30 | 0 | 100mm | 100mm |
| Trunking 300 x 150 (300mm RWA45) | 120 | 30 | 100mm | 100mm |

INSTALLATION NOTES

1. Make sure that the area within the aperture is clean of any debris and remove any dust from the edges.

2. Cut Rockwool ablative coated batt to the size and shape required to fit the aperture ensuring the batt will make a tight fit with all edges of the aperture.

3. Setout the service penetrations and cut the coated batt at the mid point of each service to enable the batt to be fitted into the aperture.

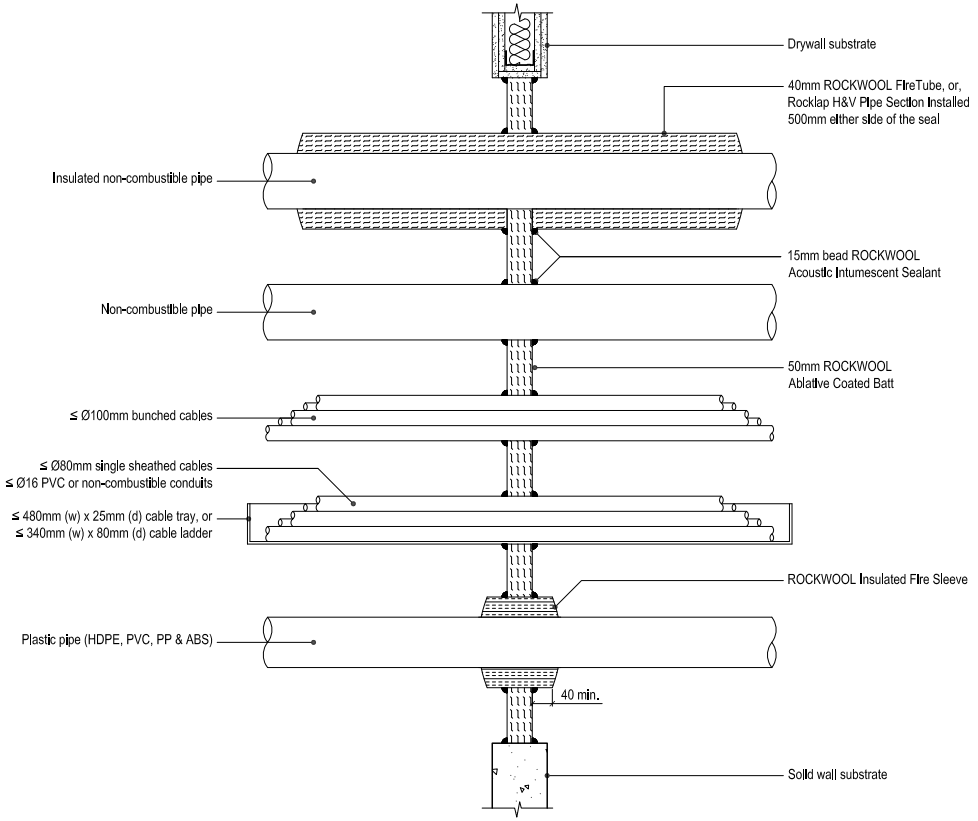
4. Apply Rockwool acoustic intumescent sealant to all edges of the batt, ensuring that an even cover is achieved over the entire thickness of the batt. This should include the outer edges of the batt and the edges of the cut made through the batt to allow fitting into the aperture. There is no requirement to apply sealant to the edges of the holes cut to accommodate each service penetration.

6. Insert the batt into the aperture.

7. Apply a bead of Rockwool acoustic intumescent sealant, approximately 15 mm wide, around the perimeter of the batt ensuring that all gaps between the batt and surrounding edges are fully filled.

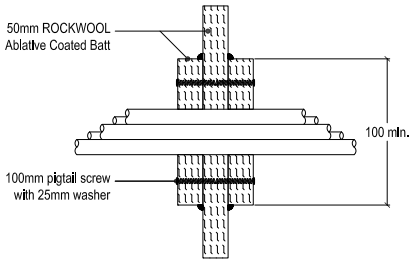
8. Apply a bead of Rockwool acoustic intumescent sealant, approximately 15 mm wide, where the service penetrations pass through the batt. Ensure that the sealant fully encloses each cable within the tray or ladder and that all gaps are fully filled.

9. Repeat step 7 and 8 on the other side of the batt




| Service type | 30 Minutes | | 60 Minutes | | 90 Minutes | | 120 Minutes | |
|---|---|---|---|---|---|---|---|---|
| | Integrity | Insulation | Integrity | Insulation | Integrity | Insulation | Integrity | Insulation |
| Maximum aperture size m² (60 Min Insulation Performance) | 2.38m² | | 2.3m² | | 2.23m² | | 2.1m² | |
| Maximum aperture size m² in Min 130mm thick wall | 4.14m² | | 4.14m² | | 2.88m² | | 2.88m² | |
| Cable ladders ≤450 x 25mm & Cable ladders ≤ 340 x 100mm | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | |
| bunched cables ≤100mm | ✓ | ✓ | ✓ | ✓ | | | | |
| 0-15mm sheathed cables | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | |
| 16-21mm sheathed cables | ✓ | ✓ | ✓ | ✓* | ✓ | | ✓ | |
| 22-50mm sheathed cables | ✓ | ✓ | ✓ | ✓ | | | | |
| 50-80mm sheathed cables | ✓ | ✓ | ✓ | ✓* | | | | |
| PVC Conduits ≤ 15mm | ✓ | ✓ | ✓ | | | | | |
| Steel pipes ≤168mm lagged with Fire Tube / H&V | ✓ | ✓ | ✓ | ✓ | | | | |
| Copper pipes ≤ 108mm lagged with Fire Tube / H&V | ✓ | ✓ | ✓ | ✓ | | | | |
| Steel pipes ≤60mm unlagged | ✓ | ✓ | ✓ | | ✓ | | ✓ | |
| Steel pipes 61 - 168mm unlagged | ✓ | | ✓ | | | | | |
| Copper pipes ≤ 108mm unlagged | ✓ | | ✓ | | | | | |
| Steel ductwork 455mm x 455mm Max. | ✓ | | ✓ | | ✓ | | | |

* With additional protection of patress piece of coated batt Min 100mm around the cable (Min 4 pigtail screw fixings)




ADDITIONAL CABLE PROTECTION TO ACHIEVE INSULATION RATING

## ROCKWOOL Standard Detail:

Supporting Test Data : CF5578 / WF335645 Issue3

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

Flexible wall construction must be installed in accordance with the manufacturer's guidelines with the aperture being fully framed and lined out. The Wall construction should be of a minimum thickness of 100mm.

All service items should be adequately supported either side of the Firestop to ensure that no load is transferred onto the coated batt.

For specific installation details not cover by this detail (such as Damper installation) then please consult the relevant Standard detail or the Rockwool Fire stopping Technical manual.

All ROCKWOOL to ROCKWOOL joints of locally interrupted pipe lagging of Fire Tube to be filled with FirePro Glue prior to application. All joints to be held firmly together with temporary bands at 200mm centres until adhesive within joints has fully cured.

Locally continuous pipe lagging of ROCKWOOL Fire Tube or ROCKLAP H&V pipe section does not require glue and/or temporary restraint bands or clips.

Refer to SD-140/141-RW for ROCKLAP H&V Pipe Section application.

Refer to SD-221-RW for Insulated Fire Sleeve applications.

Refer to relevant product data sheets for further insulation guidelines.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 120 Minutes | Up to 60 Minutes |


ROCKWOOL

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t: 01656 868490
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Drawing Title:
50mm Ablative Coated Batt Application Range

| Scale: | Date: | |
|---|---|---|
| 1:10 | AUG 18 | |
| Sheet Size: A3 | Drawn By: S.HIRONS | Checked By: R.WAKEFIELD |
| Drawing Number: SD-112-RW | | Revision: D |

INSTALLATION NOTES

1. Make sure that the area within the aperture is clean of any debris and remove any dust from the edges.

2. Cut Rockwool ablative coated batt to the size and shape required to fit the aperture ensuring the batt will make a tight fit with all edges of the aperture.

3. Setout the service penetrations and cut the coated batt at the mid point of each service to enable the batt to be fitted into the aperture.

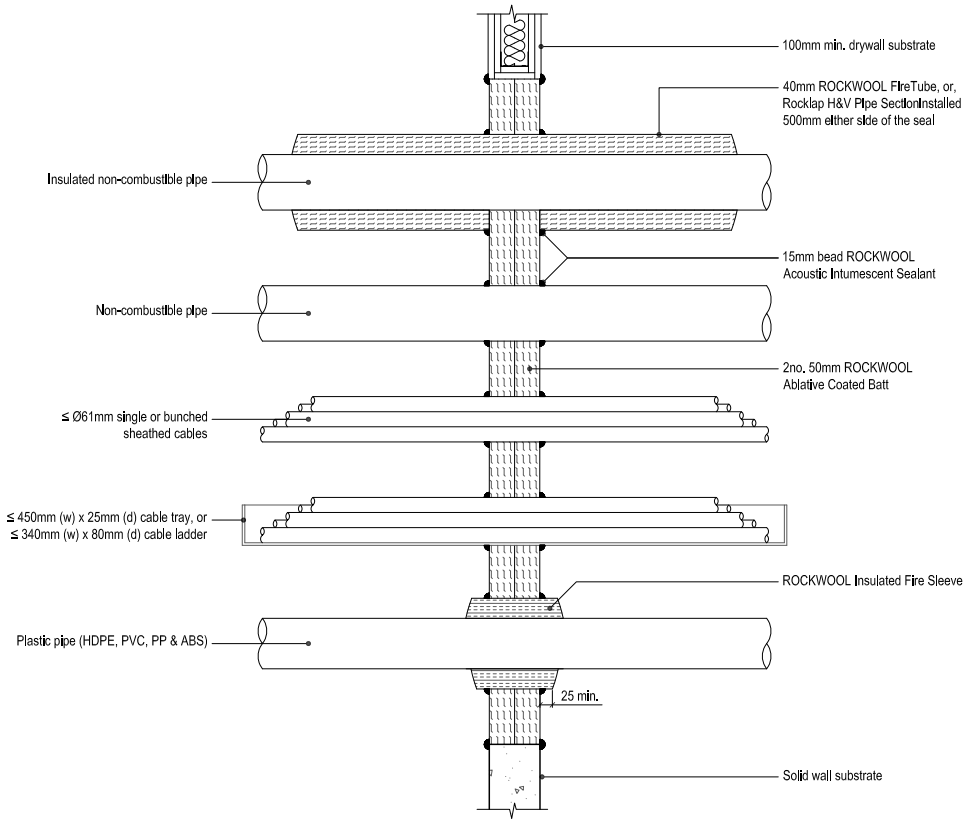
4. Apply Rockwool acoustic intumescent sealant to all edges of the batt, ensuring that an even cover is achieved over the entire thickness of the batt. This should include the outer edges of the batt and the edges of the cut made through the batt to allow fitting into the aperture. There is no requirement to apply sealant to the edges of the holes cut to accommodate each service penetration.

6. Insert the batt into the aperture.

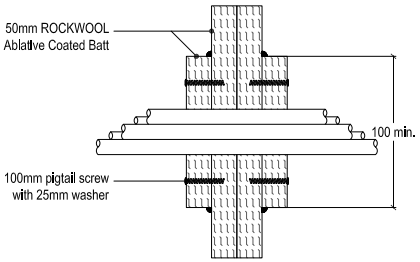
7. Apply a bead of Rockwool acoustic intumescent sealant, approximately 15mm wide, around the perimeter of the batt ensuring that all gaps between the batt and surrounding edges are fully filled.

8. Apply a bead of Rockwool acoustic intumescent sealant, approximately 15mm wide, where the service penetrations pass through the batt. Ensure that the sealant fully encloses each cable within the tray or ladder and that all gaps are fully filled.

9. Repeat step 7 and 8 on the other side of the batt




| Service type | 30 Minutes | | 60 Minutes | | 90 Minutes | | 120 Minutes | |
|---|---|---|---|---|---|---|---|---|
| | Integrity | Insulation | Integrity | Insulation | Integrity | Insulation | Integrity | Insulation |
| Maximum aperture size $m^2$ | 2.0$m^2$ | | 1.93$m^2$ | | 1.87$m^2$ | | 1.8$m^2$ | |
| Maximum aperture size $m^2$ in Min 130mm thick wall | 4.14$m^2$ Integrity | | 4.14$m^2$ Integrity | | 2.88$m^2$ Integrity | | 2.88$m^2$ Integrity | |
| bunched cables ≤100 mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓₴ |
| 0-15mm sheathed cables | ✓ | ✓ | ✓ | ✓ | ✓ | ✓* | ✓ | ✓₴ |
| 16-21mm sheathed cables | ✓ | ✓ | ✓ | ✓ | ✓ | ✓* | ✓ | ✓₴ |
| 22-50mm sheathed cables | ✓ | ✓ | ✓ | ✓ | ✓ | ✓₴ | ✓ | |
| 50-80mm sheathed cables | ✓ | ✓ | ✓ | ✓ | ✓ | ✓₴ | ✓ | |
| PVC Conduits ≤ 15 mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Steel pipes ≤168 mm lagged with Fire Tube / H&V | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Steel pipes 169mm - 219mm with Fire Tube / H&V | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Steel pipes 219mm - 324mm with 400mm length of ablative coating † | ✓ | ✓ | ✓ | | ✓ | | ✓ | |
| Copper pipes ≤ 108 mm lagged with Fire Tube / H&V | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Steel pipes ≤168 mm Unlagged | ✓ | | ✓ | | ✓ | | ✓ | |
| Copper pipes ≤ 108 mm Unlagged | ✓ | | ✓ | | ✓ | | ✓ | |
| Steel pipes in min 100mm thick masonry wall ≤ 600mm unlagged | ✓ | | ✓ | | ✓ | | ✓ | |
| Fire Damper ≤ 1 x 1 m (Max aperture 2.4$m^2$ with Firepro Glue) | ✓ | | ✓ | | ✓ | | ✓ | |
| * With additional protection of patress piece of coated batt Min 100mm around the cable (Min 4 pigtail screw fixings) | | | | | | | | |
| † Pipe to receive 400mm length coat back of FirePro Ablative Coating either side of seal | | | | | | | | |
| ₴ Cables insulated with ROCKWOOL RWA45 insulation 40mm thick 200mm either side of seal - suitable for masonry walls only | | | | | | | | |




ADDITIONAL CABLE PROTECTION TO ACHIEVE INSULATION RATING

## ROCKWOOL Standard Detail:

Supporting Test Data : CF5578 / WF335645 Issue3

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

Flexible wall construction must be installed in accordance with the manufacturer's guidelines with the aperture being fully framed and lined out. The Wall construction should be of a minimum thickness of 100mm.

All service items should be adequately supported either side of the Firestop to ensure that no load is transferred onto the coated batt.

For specific installation details not cover by this detail (such as Damper installation) then please consult the relevant Standard detail or the Rockwool Fire stopping Technical manual.

All ROCKWOOL to ROCKWOOL joints of locally interrupted pipe lagging of Fire Tube to be filled with FirePro Glue prior to application. All joints to be held firmly together with temporary bands at 200mm centres until adhesive within joints has fully cured.

Locally continuous pipe lagging of ROCKWOOL Fire Tube or ROCKLAP H&V pipe section does not require glue and/or temporary restraint bands or clips.

Refer to SD-140/141-RDW for ROCKLAP H&V Pipe Section application.

Refer to SD-221-RDW for Insulated Fire Sleeve applications.

Refer to relevant product data sheets for further insulation guidelines.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 120 Minutes | Up to 120 Minutes |


ROCKWOOL®

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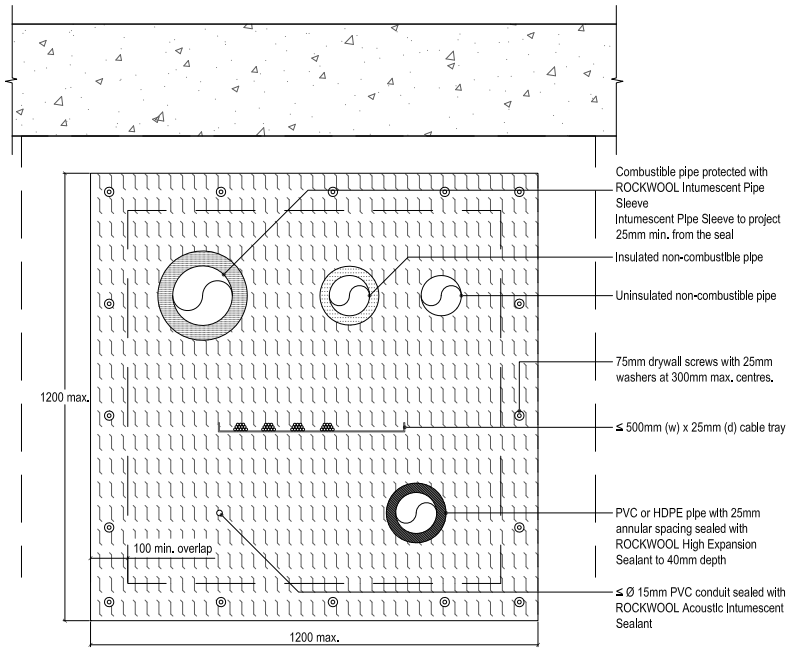
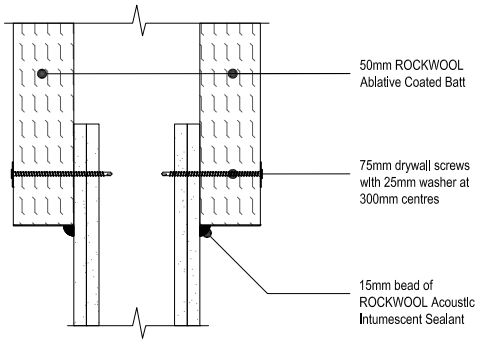
Drawing Title:

50mm Ablative Coated Batt
Double Layer Application Range

| Scale: | Date: | |
|---|---|---|
| 1:10 | AUG 18 | |
| Sheet Size: A3 | Drawn By: S.HIRONS | Checked By: R.WAKEFIELD |
| Drawing Number: SD-122-RW | | Revision: E |




FIXING DETAIL THROUGH FLEXIBLE WALL

| Service type | 30 Minutes | | 60 Minutes | | 90 Minutes | | 120 Minutes | |
|---|---|---|---|---|---|---|---|---|
| | Integrity | Insulation | Integrity | Insulation | Integrity | Insulation | Integrity | Insulation |
| Max aperture size 1000mm x 1000mm (Min 100mm wall) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| bunched cables ≤100 mm | ✓ | ✓ | ✓ | ✓ | ✓₴ | ✓₴ | ✓₴ | ✓₴ |
| 0-15mm sheathed cables | ✓ | ✓ | ✓ | ✓ | ✓₴ | ✓₴ | ✓₴ | ✓₴ |
| 16-21mm sheathed cables | ✓ | ✓ | ✓ | ✓ | ✓₴ | ✓₴ | ✓₴ | ✓₴ |
| 22-50mm sheathed cables | ✓ | ✓ | ✓ | ✓ | ✓₴ | ✓₴ | ✓₴ | ✓₴ |
| 50-80mm sheathed cables | ✓ | ✓ | ✓ | ✓ | ✓₴ | ✓₴ | ✓₴ | ✓₴ |
| PVC Conduits ≤ 15 mm (with Acoustic Intumescent Sealant) | ✓ | ✓ | ✓ | ✓ | ✓₴ | ✓₴ | ✓₴ | ✓₴ |
| PVC & HDPE pipes ≤ 110 mm (with High expansion sealant)* | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Steel pipes ≤168 mm | ✓ | | ✓ | | ✓ | | ✓ | |
| Steel pipes ≤168 mm lagged with Fire Tube or H&V pipe section | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Copper pipes ≤ 108 mm | ✓ | | ✓ | | ✓ | | ✓ | |
| Copper pipes ≤ 108 mm lagged with Fire Tube or H&V Pipe section | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| PVC pipes ≤ 160 mm with Fire Sleeve | ✓ | ✓ | ✓ | | | | | |
| HDPE pipes ≤ 56 mm with Fire Sleeve | ✓ | ✓ | ✓ | ✓ | | | | |
| ABS pipes ≤ 164 mm with Fire Sleeve | ✓ | | ✓ | | | | | |

* Requires Min 25mm annular space around the pipe with minimum sealant depth of 40mm in each batt

₴ Cables insulated with ROCKWOOL RWA45 insulation 40mm thick 300mm either side of seal - insulation secured with at least 2 no. 0.8mm steel bands



## ROCKWOOL Standard Detail:

Supporting Test Data : CF5578 / WF 335645/3

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

Flexible wall construction must be installed in accordance with the manufacturer's guidelines. Min wall thickness of 100mm.

The 50mm Rockwool Ablative Coated Batt must be installed with ROCKWOOL intumescent sealant bedded between the batt and the drywall. A fillet of sealant must be installed at the junction between the batt and the drywall to ensure no gaps are visible between the drywall and the batt. The exposed mineral wool edges should be buttered with a layer of sealant or ablative coating. All batt to batt joints are to receive acoustic intumescent sealant.

For applications where a 4 sided fix is not possible or if the 100mm overlap onto partition is not possible contact ROCKWOOL.

All service items should be adequately supported either side of the Firestop to ensure that no load is transferred onto the coated batt.

Cable trays and ladders < 500mm wrapped with RWA45 insulation achieve EI120 rating - refer to table for cable size parameters.

For specific installation details not cover by this detail please consult the relevant Standard detail or the Rockwool Fire stopping Technical manual.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

Acoustic Performance:

Up to 53 dB

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 120 Minutes | Up to 120 Minutes |

ROCKWOOL

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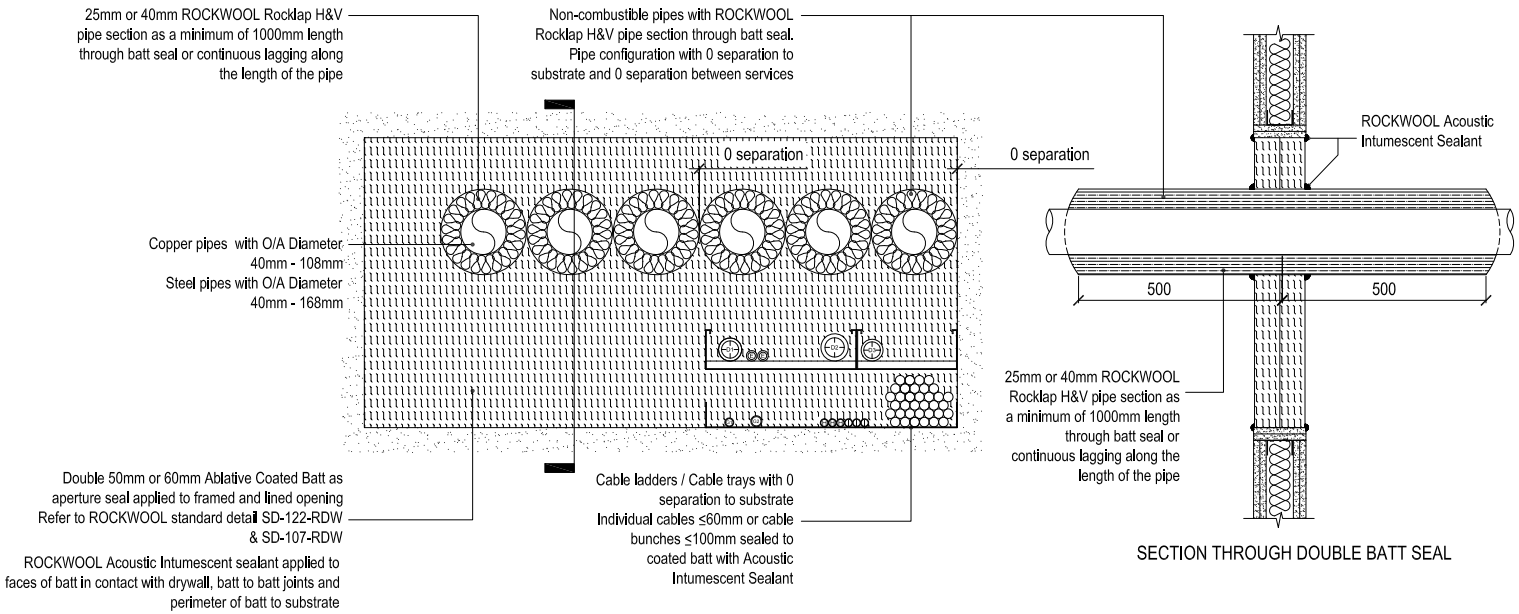
t: 01656 868490
technical.solutions@rockwool.co.uk

Drawing Title:

50mm Ablative Coated Batt
Face Fix Application Range

| Scale: | Date: | |
|---|---|---|
| NTS | AUG 18 | |
| Sheet Size: A3 | Drawn By: S.HIRONS | Checked By: R.WAKEFIELD |
| Drawing Number: SD-113-RW | | Revision: D |

## Double 50mm or 60mm ABLATIVE COATED BATT WITH 25mm or 40mm ROCKLAP H&V PIPE SECTION AS LAGGING




SECTION THROUGH DOUBLE BATT SEAL

| Non combustible pipes with Rocklpa H&V lagging through double 50/60mm batt - Minimum separation | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Pipe Type | Pipe Dia. (mm) | H&V Insulation | Aperture Size | Aperture Edge Separation | Service Separation | Service Configuration | Fire Rating | |
| | | | | | | | E | I |
| Copper | 40 - 108 | 25 | 1200 x 1200 | 0mm | 0mm | Cluster & Linear | 90 | 90 |
| Steel | 40 - 168 | | | | | | | |
| Copper | 40 - 108 | 40 | | | | | 120 | 120 |
| Steel | 40 - 168 | | | | | | | |
| Steel | 40 - 220 | 25 | | | 100mm | Single | 120 | 120 |
| Copper & steel | 40 - 108 | | 1200 x 600 | 50mm | 10mm | | | |

| Cable trays & ladders through double 50/60mm batt - Minimum Separation | | | | | |
|---|---|---|---|---|---|
| Service | Aperture Size | Aperture Edge Separation | Service Separation | Fire Rating (minutes) | |
| | | | | E (Integrity) | I (Insulation) |
| Ladders ≤350mm wide | 1200mm x 600mm | 0mm | 50mm between trays / 0mm between ladders | 120 | 90 |
| Trays ≤500mm wide | | | | | 60 |
| Cables ≤80mm | | | | | *Variable |
| Bunches 100mm Dia. | | | | | 90 |
| Metal Conduits ≤16mm | | | | | 60 |
| Plastic Conduits ≤16mm | | | | | 120 |
| *Please contact ROCKWOOL Technical with cable size and type | | | | | |



## ROCKWOOL Standard Detail:

Supporting Test Data : WF 385718

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

All service items should be adequately supported either side of the seal.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 120 Minutes | Up to 120 Minutes |

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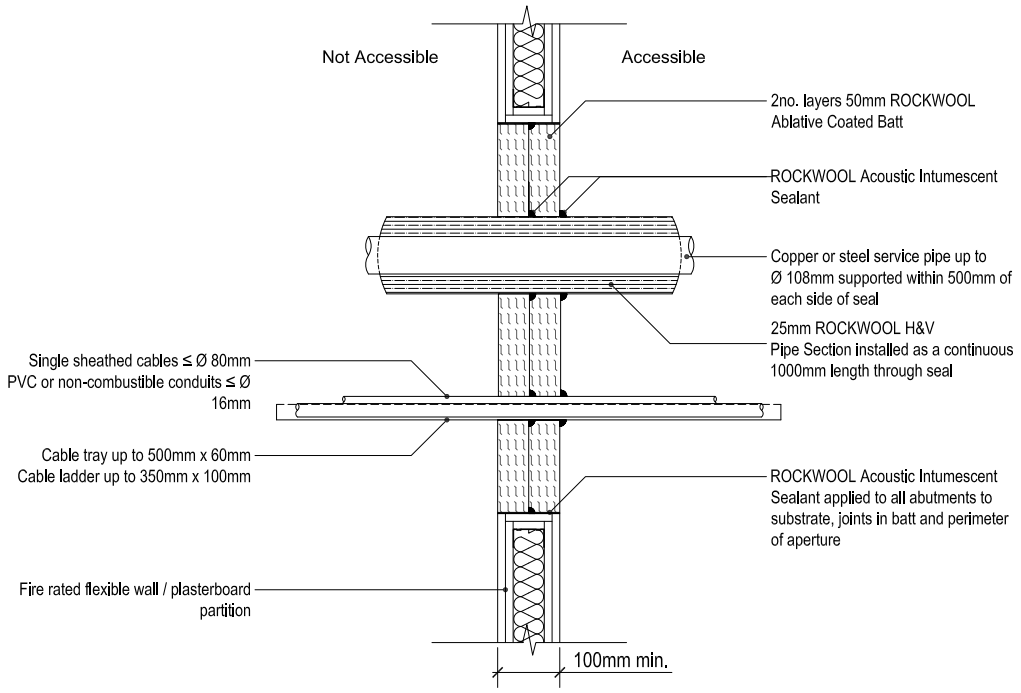
Drawing Title:

Double batt seal with lagged metal pipes
Minimum Seperation Detail

| Scale: | Date: | |
|---|---|---|
| NTS | May 18 | |
| Sheet Size: A3 | Drawn By: RW TECH | Checked By: R.WAKEFIELD |
| Drawing Number: SD-250-RW | | Revision: B |

## INSTALLATION NOTES

1. Make sure that the area within the aperture is clean of any debris and remove any dust from the edges.
2. Cut ROCKWOOL Ablative Coated Batt to the size and the shape required to fit the aperture, ensuring the batt will make a tight fit with all edges of the opening.
3. Cut rectangular holes from the coated batt to accommodate the cable tray or ladder containing cable, or, circular holes from the coated batt for pipes.
4. Cut the coated batt across its width at the mid-point of each hole to enable batt to be fitted into the aperture.
5. Apply Rockwool Acoustic Intumescent Sealant to all edges of the batt, ensuring that an even cover is achieved over the entire thickness of the batt. This should include the outer edges of the batt and the edges of the cut made across the batt to allow fitting into the aperture. There is no requirement to apply sealant to the edges of the holes cut to accommodate each cable tray or ladder.
6. Insert the first layer of batt into the aperture.
7. Apply a bead of ROCKWOOL Acoustic Intumescent Sealant, approximately 15mm wide, around the perimeter of the batt ensuring that all gaps between the batt and surrounding edges are fully sealed.
8. Apply a bead of Rockwool Acoustic Intumescent Sealant, approximately 15mm wide, where the penetrations pass through the batt. Ensure that the sealant fully encloses each service penetration and that all gaps are fully filled.
9. Apply Rockwool Acoustic Intumescent Sealant to all edges of the second layer of batt, ensuring that an even cover is achieved over the entire thickness of the batt. This should include the outer edges of the batt and the edges of the cut made across the batt to allow fitting into the aperture. There is no requirement to apply sealant to the edges of the holes cut to accommodate each cable tray or ladder.
10. Insert the second layer of batt into the aperture and repeat step 7 and 8.




| Service type | 30 Minutes | | 60 Minutes | | 90 Minutes | | 120 Minutes | |
|---|---|---|---|---|---|---|---|---|
| | Integrity | Insulation | Integrity | Insulation | Integrity | Insulation | Integrity | Insulation |
| Maximum aperture size m² (90 Min Insulation Performance) | 0.72m² | | 0.72m² | | 0.72m² | | 0.72m² | |
| Solid and perforated cable trays ≤500 x 60mm | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | |
| Cable Ladder ≤350 x 100mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| 0-15mm sheathed cables | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 16-21mm sheathed cables | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | |
| 22-50mm sheathed cables | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | |
| 51-80mm sheathed cables | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| Bunched cables ≤100 mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Non combustable conduits ≤16mm | ✓ | | ✓ | | ✓ | | ✓ | |
| PVC conduits ≤16mm | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | |
| Copper pipes 15mm lagged with 20mm H&V | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Steel pipes ≤ 60mmlagged with 20mm H&V | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Copper pipes 42mm - 108mm lagged with 25mm H&V | ✓ | ✓ | ✓ | | ✓ | | ✓ | |
| Steel pipes 42mm - 168mm lagged with 25mm H&V | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | |
| Copper pipes 42mm - 108mm lagged with 40mm H&V | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Steel pipes 42mm - 168mm lagged with 40mm H&V | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Steel pipes ≤ 219mm unlagged | ✓ | | ✓ | | ✓ | | ✓ | |
| Copper pipes ≤ 159mm unlagged | ✓ | | ✓ | | ✓ | | ✓ | |
| Cable trays and ladders 0mm distance from aperture opening | | | | | | | | |
| Metal pipes lagged with H&V pipe section can be fitted with 0mm seperation between services and 0mm to substrate | | | | | | | | |
| For combustible pipes, please contact ROCKWOOL Technical Department | | | | | | | | |

## ROCKWOOL Standard Detail:

Supporting Test Data : WF385718 / WF385719

This detail is to be read in conjunction with the ROCKWOOL Ablative Coated Batt data sheet specific installation instructions.

For single sided fire seal installations with combustible pipe penetrations please contact ROCKWOOL Technical Solutions.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 90 Minutes | Up to 90 Minutes |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Drawing Title:
Single sided installation of Ablative Coated Batt with service penetrations

| Scale: | Date: | |
|---|---|---|
| NTS | 01.03.18 | |
| Sheet Size: A3 | Drawn By: S. HIRONS | Checked By: R.WAKEFIELD |
| Drawing Number: SD-145-RDW | | Revision: A |

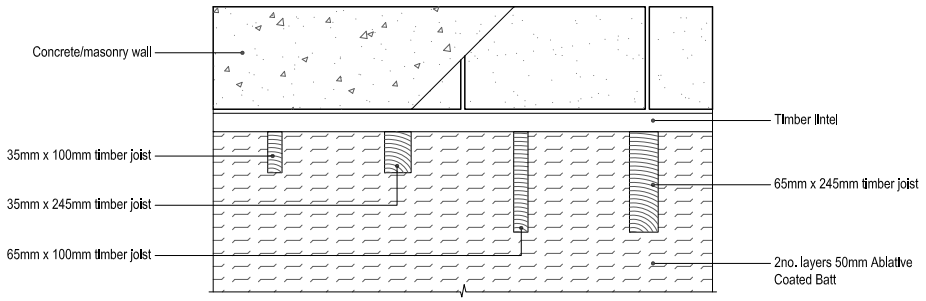
INSTALLATION NOTES

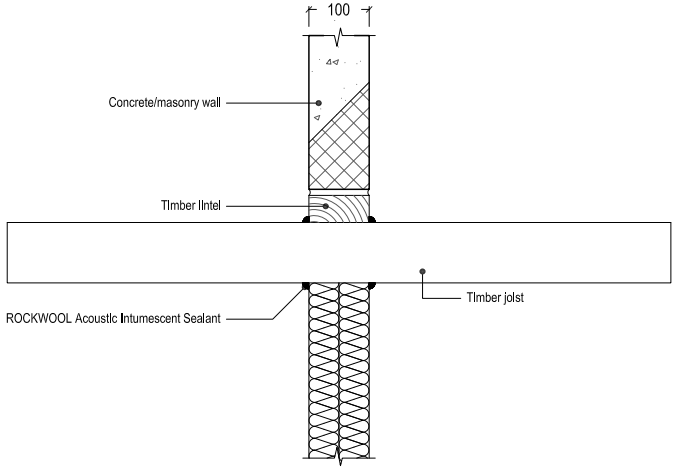
1. Cut the Ablative Coated Batt so that it tightly accommodates the timber penetration.

2. Apply ROCKWOOL Acoustic Intumescent Sealant liberally around all edges, of the Ablative Coated Batt, before offering the batt up to the timber section.

3. If the batt needs to be jointed with another batt, follow a stretcher bond arrangement to stagger the joints and apply Acoustic Intumescent Sealant to all meeting edges, including batt-to-batt and batt-to-substrate edges, following the Ablative Coated Batt standard install details.

4. Repeat the process on the opposite side of the void to create a double layer of Ablative Coated Batt, ensuring that the joints are staggered.




## ROCKWOOL Standard Detail:

Supporting Test Data : WF 380565 (BS EN 1366-3)

This detail is to be read in conjunction with the relevant ROCKWOOL product data sheet.

For head of wall applications with timber penetrations please contact ROCKWOOL technical.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

| Integrity Performance: | Insulation Performance: |
|---|---|
| 120 Minutes | 120 Minutes |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Drawing Title:

Timber penetrations through 2no. layer of 50mm Ablative Coated Batt

| Scale: | Date: | |
|---|---|---|
| NTS | 18.01.18 | |
| Sheet Size: A3 | Drawn By: S. HIRONS | Checked By: L.HAM |
| Drawing Number: SD-310-RW | | Revision: A |

INSTALLATION NOTES

1. Make sure that the area within the aperture is clean of any debris and remove any dust from the edges.

2. Cut Rockwool ablative coated batt to the size and shape required to fit the aperture ensuring the batt will make a tight fit with all edges of the aperture.

3. Setout the service penetrations and cut the coated batt at the mid point of each service to enable the batt to be fitted into the aperture.

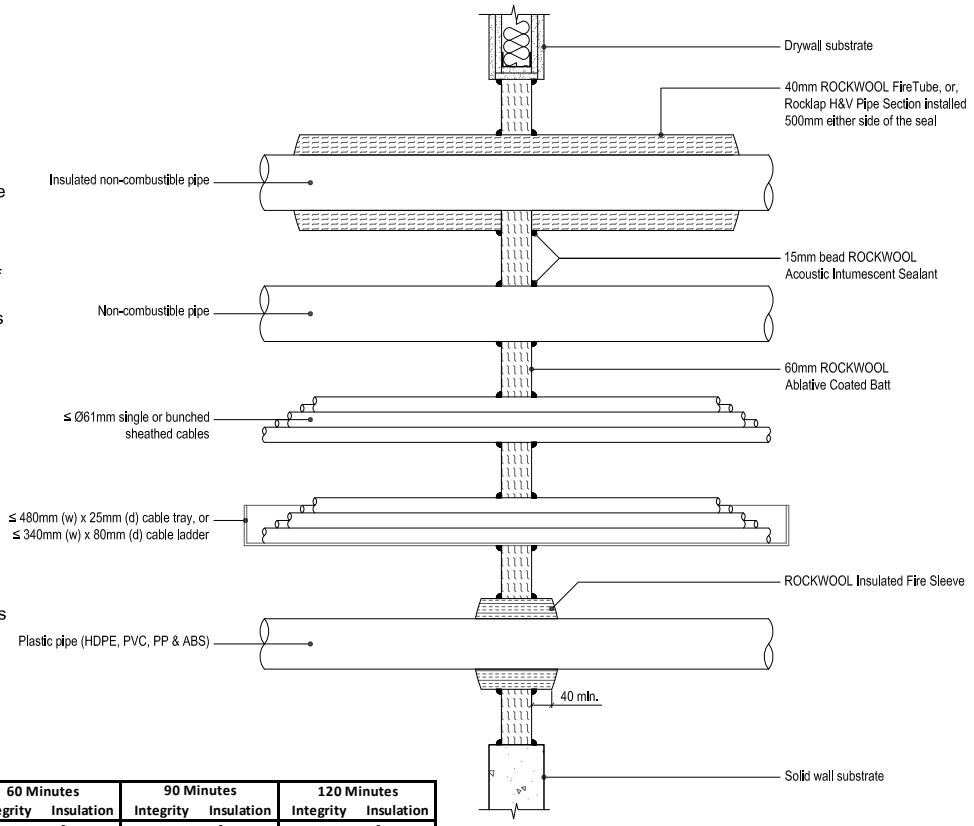
4. Apply Rockwool acoustic intumescent sealant to all edges of the batt, ensuring that an even cover is achieved over the entire thickness of the batt. This should include the outer edges of the batt and the edges of the cut made through the batt to allow fitting into the aperture. There is no requirement to apply sealant to the edges of the holes cut to accommodate each service penetration.

6. Insert the batt into the aperture.

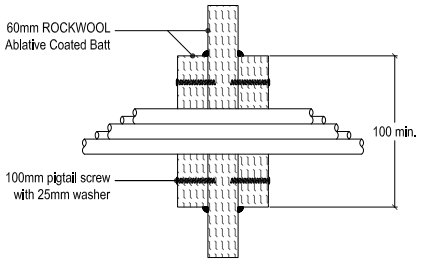
7. Apply a bead of Rockwool acoustic intumescent sealant, approximately 15mm wide, around the perimeter of the batt ensuring that all gaps between the batt and surrounding edges are fully filled.

8. Apply a bead of Rockwool acoustic intumescent sealant, approximately 15mm wide, where the service penetrations pass through the batt. Ensure that the sealant fully encloses each cable within the tray or ladder and that all gaps are fully filled.

9. Repeat step 7 and 8 on the other side of the batt




| Service type | 60 Minutes | | 90 Minutes | | 120 Minutes | |
|---|---|---|---|---|---|---|
| | Integrity | Insulation | Integrity | Insulation | Integrity | Insulation |
| Maximum aperture size m² in Min 130mm thick masonry wall | 4.14m² | | 2.88m² | | 2.88m² | |
| Blank seal up to 1200 mm x 600 mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Blank seal up to 2.4 m x 2.88 m | ✓ | ✓ | ✓ | | ✓ | |
| Single/bunched cables ≤61 mm | ✓ | ✓ | ✓C | ✓C | | |
| Single Cables 62-80mm | ✓ | ✓* | | | | |
| bunched cables ≤100 mm | ✓ | ✓ | | | | |
| Cable trays ≤480 mm | ✓ | ✓ | ✓C | ✓C | | |
| Steel pipes ≤168 mm lagged with Fire Tube / H&V | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Steel pipes ≤168 Unlagged | ✓ | | ✓ | | ✓ | |
| Copper pipes ≤ 108 mm lagged with Fire Tube / H&V | ✓ | ✓ | ✓ | | ✓ | |
| Copper pipes ≤ 108 mm unlagged | ✓ | | ✓ | | ✓ | |
| Circular steel duct ≤ 360 mm lagged with Fire Duct | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Square steel duct ≤ 450 mm lagged with Fire Duct | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Square steel duct ≤ 450mm | ✓ | | ✓ | | ✓ | |
| Fire Damper ≤ 1000 x 1000 mm | ✓ | | ✓ | | ✓ | |
| ✓* With additional protection of patress piece of coated batt Min 100mm around the cable (Min 4 pigtail screw fixings) | | | | | | |
| ✓C using 1 mm thick coatback along 100 mm of service item either side of the seal | | | | | | |




ADDITIONAL CABLE PROTECTION TO ACHIEVE INSULATION RATING



## ROCKWOOL Standard Detail:

Supporting Test Data : CF5578 / WF335645 Issue3

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

Flexible wall construction must be installed in accordance with the manufacturer's guidelines with the aperture being fully framed and lined out. The Wall construction should be of a minimum thickness of 100mm.

All service items should be adequately supported either side of the Firestop to ensure that no load is transferred onto the coated batt.

For specific installation details not cover by this detail (such as Damper installation) then please consult the relevant Standard detail or the Rockwool Fire stopping Technical manual.

All ROCKWOOL to ROCKWOOL joints of locally interrupted pipe lagging of Fire Tube to be filled with FirePro Glue prior to application. All joints to be held firmly together with temporary bands at 200mm centres until adhesive within joints has fully cured.

For seals over 1200mm x 1200mm batt to batt joints are to be fully coated with FirePro Glue in place of sealant.

Locally continuous pipe lagging of ROCKWOOL Fire Tube or ROCKLAP H&V pipe section does not require glue and/or temporary restraint bands or clips.

Refer to SD-140/141-RDW for ROCKLAP H&V Pipe Section application.

Refer to SD-221-RDW for Insulated Fire Sleeve applications.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 120 Minutes | Up to 120 Minutes |

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Drawing Title:
60mm Ablative Coated Batt
Single Layer Application Range

| Scale: | Date: | |
|---|---|---|
| 1:10 | 06.08.18 | |
| Sheet Size: A3 | Drawn By: S.HIRONS | Checked By: R.WAKEFIELD |
| Drawing Number: SD-106-RW | | Revision: D |

INSTALLATION NOTES

1. Make sure that the area within the aperture is clean of any debris and remove any dust from the edges.

2. Cut Rockwool ablative coated batt to the size and shape required to fit the aperture ensuring the batt will make a tight fit with all edges of the aperture.

3. Setout the service penetrations and cut the coated batt at the mid point of each service to enable the batt to be fitted into the aperture.

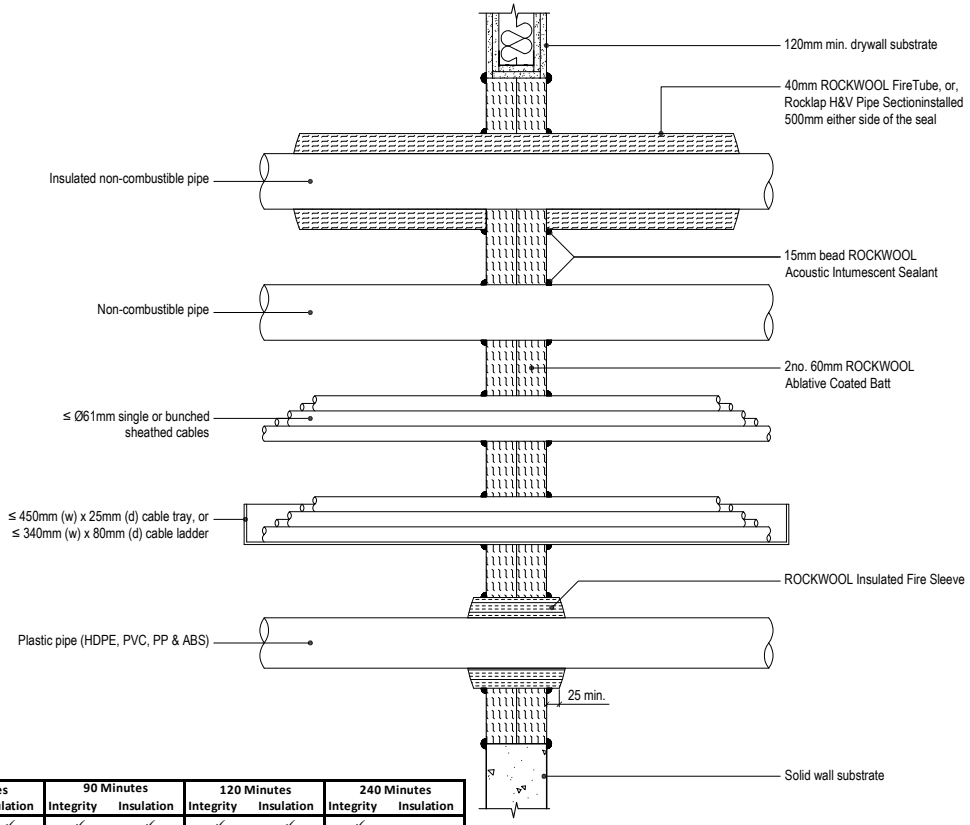
4. Apply Rockwool acoustic intumescent sealant to all edges of the batt, ensuring that an even cover is achieved over the entire thickness of the batt. This should include the outer edges of the batt and the edges of the cut made through the batt to allow fitting into the aperture. There is no requirement to apply sealant to the edges of the holes cut to accommodate each service penetration.

6. Insert the batt into the aperture.

7. Apply a bead of Rockwool acoustic intumescent sealant, approximately 15mm wide, around the perimeter of the batt ensuring that all gaps between the batt and surrounding edges are fully filled.

8. Apply a bead of Rockwool acoustic intumescent sealant, approximately 15mm wide, where the service penetrations pass through the batt. Ensure that the sealant fully encloses each cable within the tray or ladder and that all gaps are fully filled.

9. Repeat step 7 and 8 on the other side of the batt



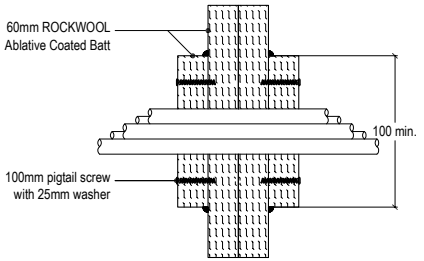

| Service type | 60 Minutes | | 90 Minutes | | 120 Minutes | | 240 Minutes | |
|---|---|---|---|---|---|---|---|---|
| | Integrity | Insulation | Integrity | Insulation | Integrity | Insulation | Integrity | Insulation |
| Blank seal up to 1200mm x 600mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Blank seal up to 1200mm x 600mm (95mm Air Gap) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Blank seal up to 2.4 m x 2.88 m | ✓ | ✓ | ✓ | | ✓ | | ✓ | |
| Single/bunched cables ≤100mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓₴ | | |
| bunched cables ≤100 mm | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| 0-15mm sheathed cables | ✓ | ✓ | ✓ | ✓*₴ | ✓ | ✓₴ | | |
| 16-21mm sheathed cables | ✓ | ✓ | ✓ | ✓*₴ | ✓ | ✓₴ | | |
| 22-50mm sheathed cables | ✓ | ✓ | ✓ | ✓₴ | ✓ | | | |
| 50-80mm sheathed cables | ✓ | ✓ | ✓ | ✓* | ✓ | | | |
| Steel pipes ≤168 mm lagged with Fire Tube / H&V | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Steel pipes ≤168 Unlagged | ✓ | | ✓ | | ✓ | | ✓ | |
| Steel pipes 219mm - 324mm with 400mm length of ablative coating † | ✓ | | ✓ | | ✓ | | | |
| Steel pipes in min 100mm thick masonry wall ≤600mm unlagged | ✓ | | ✓ | | ✓ | | | |
| Copper pipes ≤108 mm lagged with Fire Tube (95mm Air gap) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Copper pipes ≤108 mm lagged with Fire Tube / H&V | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Copper pipes ≤108 mm unlagged | ✓ | | ✓ | | ✓ | | ✓ | |
| Circular steel duct ≤ 360 mm lagged with Fire Duct# | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Square steel duct ≤400 mm lagged with Fire Duct# | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Square steel duct ≤445mm | ✓ | | ✓ | | ✓ | | | |
| Fire Damper ≤1000 x 1000 mm | ✓ | | ✓ | | ✓ | | | |

# See Rockwool Technical manual for specific sizes and Maximum Fire ratings

* With additional protection of patress piece of coated batt Min 100mm around cable (Min 4 pigtail screw fixings)

† Pipe to receive 400mm length coat back of FirePro Ablative Coating either side of seal

₴ Cables insulated with ROCKWOOL RWA45 insulation 40mm thick 200mm either side of seal - suitable for masonry walls only




ADDITIONAL CABLE PROTECTION TO ACHIEVE INSULATION RATING



## ROCKWOOL Standard Detail:

Supporting Test Data : CF5578 / CHILT A08152-E

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

Flexible wall construction must be installed in accordance with the manufacturer's guidelines with the aperture being fully framed and lined out. The Wall construction should be of a minimum thickness of 120mm.

All service items should be adequately supported either side of the Firestop to ensure that no load is transferred onto the coated batt.

For specific installation details not cover by this detail (such as Damper installation) then please consult the relevant Standard detail or the Rockwool Fire stopping Technical manual.

All ROCKWOOL to ROCKWOOL joints of locally interrupted pipe lagging of Fire Tube to be filled with FirePro Glue prior to application. All joints to be held firmly together with temporary bands at 200mm centres until adhesive within joints has fully cured.

For seals over 1200mm x 1200mm batt to batt joints are to be fully coated with FirePro Glue in place of sealant.

Locally continuous pipe lagging of ROCKWOOL Fire Tube or ROCKLAP H&V pipe section does not require glue and/or temporary restraint bands or clips.

Refer to SD-140/141-RDW for ROCKLAP H&V Pipe Section application.

Refer to SD-221-RDW for Insulated Fire Sleeve applications.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 240 Minutes | Up to 240 Minutes |

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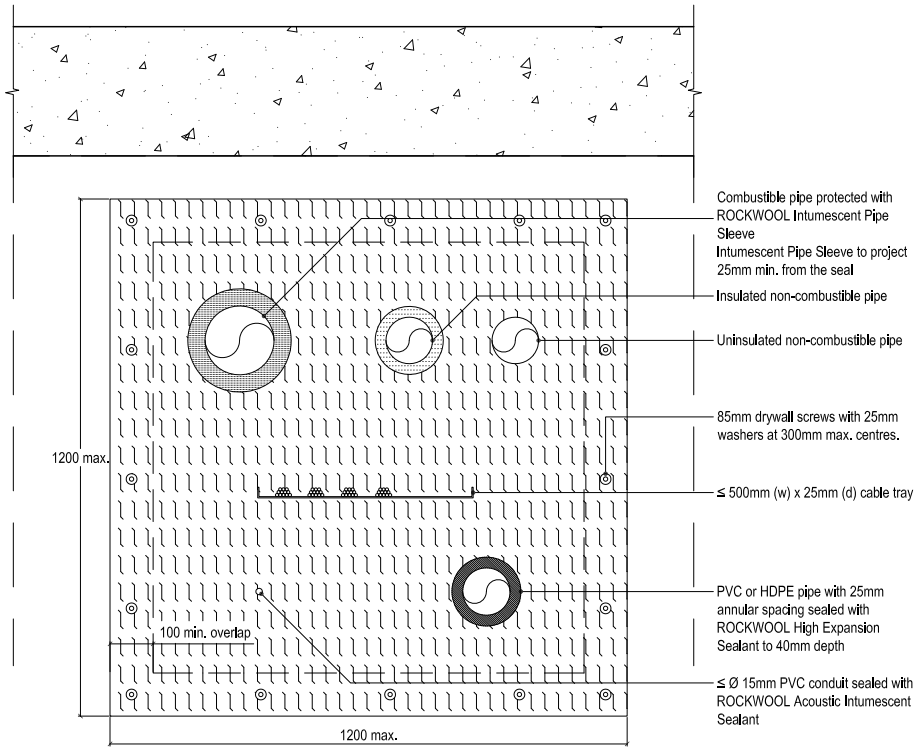
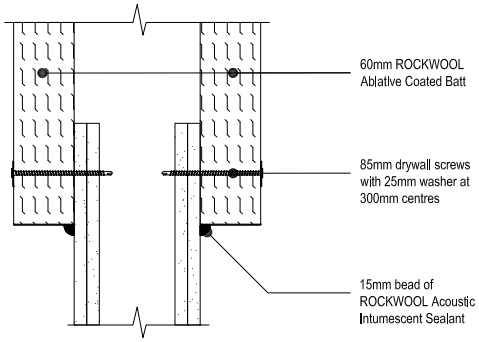
Drawing Title:
60mm Ablative Coated Batt
Double Layer Application Range

| Scale: | Date: | |
|---|---|---|
| 1:10 | 06.08.18 | |
| Sheet Size: A3 | Drawn By: S.HIRONS | Checked By: R.WAKEFIELD |
| Drawing Number: SD-107-RW | | Revision: D |




FIXING DETAIL THROUGH FLEXIBLE WALL

| Service type | 30 Minutes | | 60 Minutes | | 90 Minutes | | 120 Minutes | |
|---|---|---|---|---|---|---|---|---|
| | Integrity | Insulation | Integrity | Insulation | Integrity | Insulation | Integrity | Insulation |
| Max aperture size 1000mm x 1000mm (Min 100mm wall) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| bunched cables ≤100 mm | ✓ | ✓ | ✓ | ✓ | ✓₴ | ✓₴ | ✓₴ | ✓₴ |
| 0-15mm sheathed cables | ✓ | ✓ | ✓ | ✓ | ✓₴ | ✓₴ | ✓₴ | ✓₴ |
| 16-21mm sheathed cables | ✓ | ✓ | ✓ | ✓ | ✓₴ | ✓₴ | ✓₴ | ✓₴ |
| 22-50mm sheathed cables | ✓ | ✓ | ✓ | ✓ | ✓₴ | ✓₴ | ✓₴ | ✓₴ |
| 51-80mm sheathed cables | ✓ | ✓ | ✓ | ✓ | ✓₴ | ✓₴ | ✓₴ | ✓₴ |
| PVC Conduits ≤ 15 mm (with Acoustic Intumescent Sealant) | ✓ | ✓ | ✓ | ✓ | ✓₴ | ✓₴ | ✓₴ | ✓₴ |
| PVC & HDPE pipes ≤ 110 mm (with High pressure sealant)* | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Steel pipes ≤168 mm lagged with Fire Tube or H&V pipe section | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Steel pipes ≤168 mm | ✓ | | ✓ | | ✓ | | ✓ | |
| Copper pipes ≤ 108 mm lagged with Fire Tube or H&V Pipe section | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Copper pipes ≤ 108 mm | ✓ | | ✓ | | ✓ | | ✓ | |
| PVC pipes ≤ 160 mm with Fire Sleeve | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| HDPE pipes ≤ 110mm with Fire Sleeve | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| HDPE pipes ≤ 160mm with Fire Sleeve | ✓ | ✓ | ✓ | ✓ | | | | |
| PB ≤ 28mm with Fire Sleeve | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ABS pipes ≤ 164 mm with Fire Sleeve | ✓ | | ✓ | | | | | |

* Requires Min 25mm annular space around the pipe with minimum sealant depth of 40mm in each batt

₴ Cables insulated with ROCKWOOL RWA45 insulation 40mm thick 300mm either side of seal - insulation secured with at least 2 no. 0.8mm steel bands to each side of seal



## ROCKWOOL Standard Detail:

Supporting Test Data : CF5578 / CHILT A08152-E

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

Flexible wall construction must be installed in accordance with the manufacturer's guidelines.

The 60 mm Rockwool Ablative Coated Batt must be installed with ROCKWOOL intumescent sealant bedded between the batt and the drywall. A fillet of sealant must be installed at the junction between the batt and the drywall to ensure no gaps are visible between the drywall and the batt. The exposed mineral wool edges should be buttered with a layer of sealant or ablative coating. All batt to batt joints are to receive acoustic intumescent sealant.

For applications where a 4 sided fix is not possible or in the 100mm overlap onto partition is not possible contact ROCKWOOL.

All service items should be adequately supported either side of the Firestop to ensure that no load is transferred onto the coated batt.

For specific installation details not cover by this detail please consult the relevant Standard detail or the Rockwool Fire stopping Technical manual.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

Acoustic Performance:

Up to 53 dB

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 120 Minutes | Up to 120 Minutes |

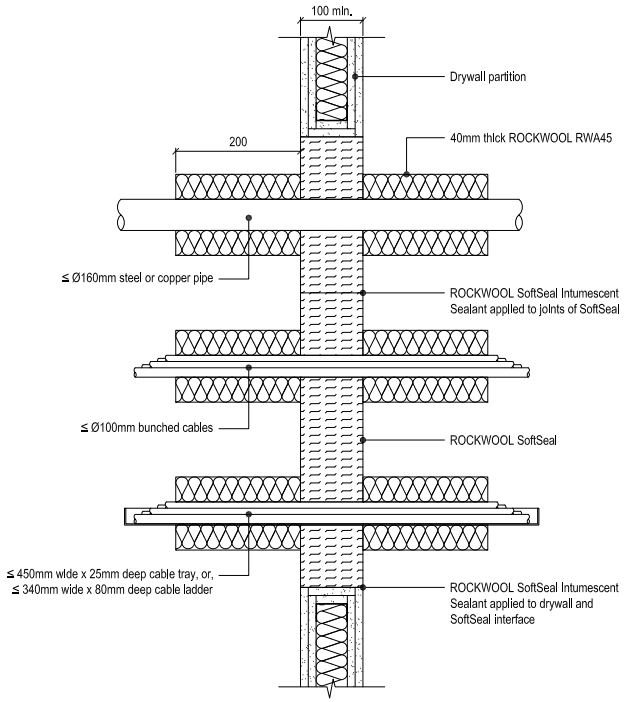
ROCKWOOL®

Pencoed, Bridgend,
South Wales CF35 6NY
t: 01656 868490
technical.solutions@rockwool.co.uk

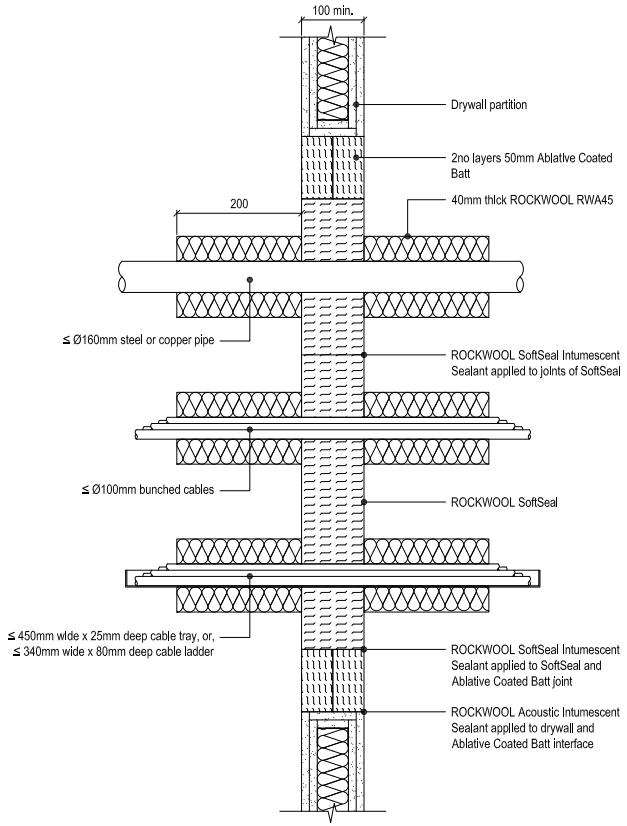
Drawing Title:

60mm Ablative Coated Batt
Face Fix application Range

| Scale: | Date: | |
|---|---|---|
| NTS | NOV 18 | |
| Sheet Size: | Drawn By: | Checked By: |
| A3 | S.HIRONS | R.WAKEFIELD |
| Drawing Number: | | Revision: |
| SD-111-RW | | D |




VERTICAL SOFTSEAL PENETRATION SEAL BETWEEN FLEXIBLE WALLING
MAX. SEAL SIZE: 1000MM x 1000MM




| Service type | 60 Minutes | | 90 Minutes | | 120 Minutes | |
|---|---|---|---|---|---|---|
| | Integrity | Insulation | Integrity | Insulation | Integrity | Insulation |
| Blank seal up to 800 mm x 800mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Blank seal within 2 x 50mm ROCKWOOL Ablative Batt picture frame 800mm x 430mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Electrical cables 21mm-50mm diameter | ✓ | ✓ | ✓ | ✓ | | |
| Electrical cables 51mm-80mm diameter | ✓ | ✓ | ✓ | | | |
| Cable tray and ladders | ✓ | ✓ | ✓ | ✓ | | |
| Bunched cables ≤100 mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Unsheathed electrical cables ≤24 mm | ✓ | ✓ | ✓ | | | |
| Steel or copper conduits ≤16 mm | ✓ | ✓ | ✓ | | | |
| Steel or copper pipes ≤160 mm diameter | ✓ | ✓ | ✓ | | ✓ | |
| Steel or copper pipes ≤40 mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| All services insulated with RWA45 40mm thick, 200mm either side of seal. | | | | | | |
| Please contact ROCKWOOL Technical department for the protection of plastic pipes | | | | | | |

## ROCKWOOL Standard Detail:

Supporting Test Data : WF 352441

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.Flexible wall construction must be installed in accordance with the manufacturer's guidelines with the aperture being fully framed and lined out. The Wall construction should be of a minimum thickness of 100mm.

All service items should be adequately supported either side of the seal.

As part of the testing to BS EN 1366-4, FIREPRO SoftSeal was assessed for its movement capabilities, prior to conducting the fire test. The product was tested to accommodate movement (expansion and contraction) of +/-15%.

RWA45 Insulation secured to penetrations with 2 No. 5mm wide steel tie wraps wither side of seal.

For plastic pipe penetrations refer to SD-161-RDW.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

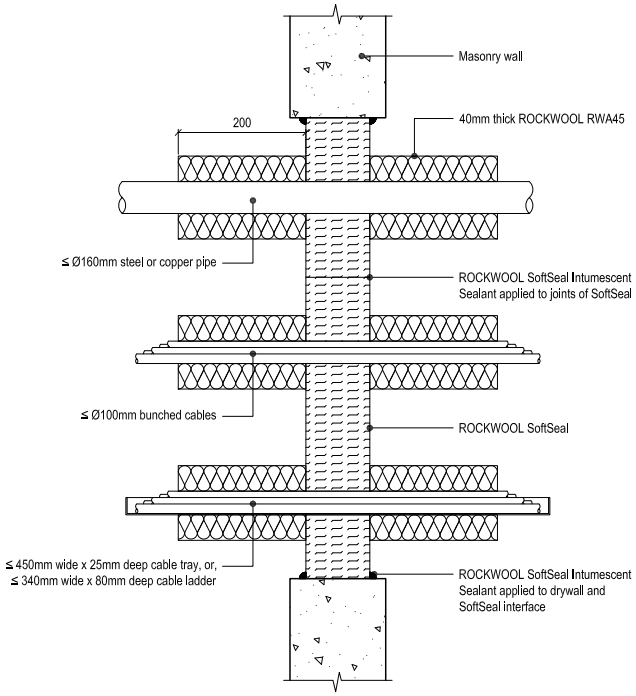
For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 120 Minutes | Up to 120 Minutes |

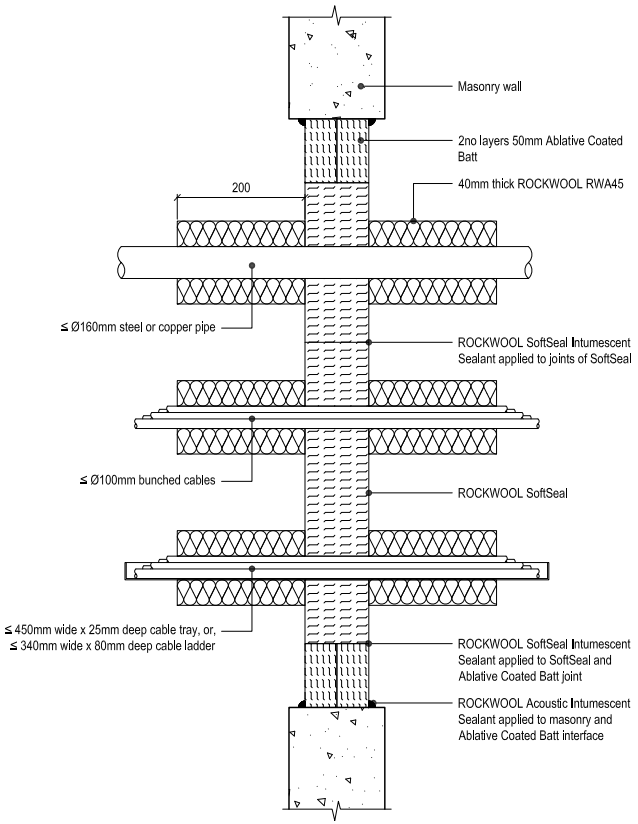
ROCKWOOL®
Pencoed, Bridgend,
South Wales CF35 6NY
t: 01656 868490
technical.solutions@rockwool.co.uk

Drawing Title:
FirePro Softseal
Vertical Seal - Flexible Wall

| Scale: | Date: | |
|---|---|---|
| NTS | NOV 18 | |
| Sheet Size: | Drawn By: | Checked By: |
| A3 | S.HIRONS | R.WAKEFIELD |
| Drawing Number: | | Revision: |
| SD-149-RW | | C |




VERTICAL SOFTSEAL PENETRATION SEAL BETWEEN MASONRY
MAX. SEAL SIZE: 1000MM x 1000MM




| Service type | 60 Minutes | | 90 Minutes | | 120 Minutes | |
|---|---|---|---|---|---|---|
| | Integrity | Insulation | Integrity | Insulation | Integrity | Insulation |
| Blank seal up to 1200 mm x 730mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Blank seal within 2 x 50mm ROCKWOOL Ablative Batt picture frame 900mm x 530mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Electrical cables ≤21mm diameter | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Electrical cables 22mm-50mm diameter | ✓ | ✓ | ✓ | | | |
| Electrical cables 51mm-80mm diameter | ✓ | ✓ | | | | |
| Cable tray and ladders | ✓ | ✓ | ✓ | | | |
| Bunched cables ≤100 mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Unsheathed electrical cables ≤24 mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Steel or copper conduits ≤16 mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Steel pipe 161mm - 200mm diameter | ✓ | 30 | ✓ | | | |
| Steel or copper pipes ≤160 mm diameter | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Steel or copper pipes ≤40 mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| All services insulated with RWA45 40mm thick, 200mm either side of seal. | | | | | | |
| Please contact ROCKWOOL Technical department for the protection of plastic pipes | | | | | | |



## ROCKWOOL Standard Detail:

Supporting Test Data : WF 352441

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

All service items should be adequately supported either side of the seal.

As part of the testing to BS EN 1366-4, FIREPRO SoftSeal was assessed for its movement capabilities, prior to conducting the fire test. The product was tested to accommodate movement (expansion and contraction) of +/-15%.

RWA45 Insulation secured to penetrations with 2 No. 5mm wide steel tie wraps wither side of seal.

For plastic pipe penetrations refer to SD-161-RDW.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 120 Minutes | Up to 120 Minutes |

ROCKWOOL

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South Wales CF35 6NY
t: 01656 868490
technical.solutions@rockwool.co.uk

Drawing Title:
FirePro Softseal
Vertical Seal - Solid Wall

| Scale: | Date: | |
|---|---|---|
| NTS | NOV 18 | |
| Sheet Size: | Drawn By: | Checked By: |
| A3 | S.HIRONS | R.WAKEFIELD |
| Drawing Number: | | Revision: |
| SD-150-RW | | C |

INSTALLATION NOTES

1) Measure the height of the aperture to be sealed.

2) Cut the FIREPRO® SoftSeal Coated Strips 15% bigger than the height of the void to be filled, so when installed they are under compression.

3) Ensure substrate is clean and free of dust and debris.

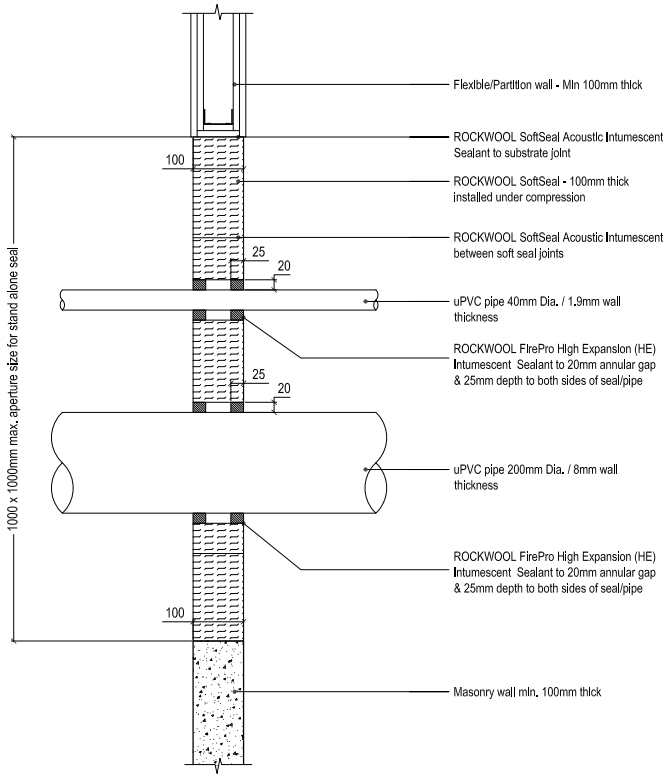
4) Apply a bead of FIREPRO® SoftSeal Acoustic Intumescent Sealant around the internal edges of the aperture.

5) Install the FIREPRO® SoftSeal Coated Strips horizontally, so that the lamellas are running horizontally.

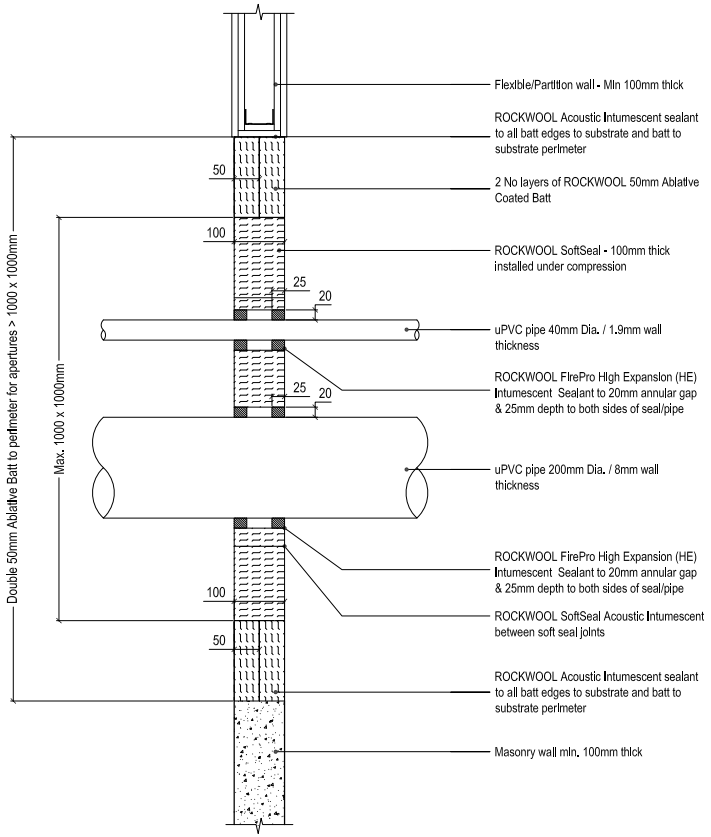
6) Apply a bead of FIREPRO® Acoustic Intumescent Sealant to butt joints between different sections of SoftSeal Coated Strips.

7) FIREPRO® High Expansion Intumescent Sealant shall be used around plastic pipes in accordance with ROCKWOOL standard details.

8) Apply FIREPRO® SoftSeal Flexible Coating to the face of all joints between SoftSeal




ROCKWOOL SOFTSEAL USED AS STAND ALONE SEAL
(APERTURE NO GREATER THAN 1000 X 1000mm)
uPVC Pipe Penetrations




ROCKWOOL SOFTSEAL USED WITH DOUBLE 50mm
ABLATIVE COATED BATT TO PERIMETER
(APERTURE GREATER THAN 1000 X 1000mm)
uPVC Pipe Penetrations



## ROCKWOOL Standard Detail:

Supporting Test Data : WF 371988B (BS EN 1366-3)

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.Flexible wall construction must be installed in accordance with the manufacturer's guidelines with the aperture being fully framed and lined out. The Wall construction should be of a minimum thickness of 100mm.

All service items should be adequately supported either side of the seal.

As part of the testing to BS EN 1366-4, FIREPRO SoftSeal was assessed for its movement capabilities, prior to conducting the fire test. The product was tested to accommodate movement (expansion and contraction) of +/-15%.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| 60 Minutes | 60 Minutes |

ROCKWOOL®
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South Wales CF35 6NY
t: 01656 868490
technical.solutions@rockwool.co.uk

Drawing Title:
FirePro SoftSeal Vertical Seal
PVC Pipe Penetrations

| Scale: | Date: | |
|---|---|---|
| NTS | March 19 | |
| Sheet Size: A3 | Drawn By: RW TECH | Checked By: L.HAM |
| Drawing Number: SD-161-RDW | | Revision: B |

INSTALLATION NOTES

1. Make sure that the area within the aperture is clean of any debris and remove any dust from the edges.

2. Cut Rockwool ablative coated batt to the size and shape required to fit the aperture ensuring the batt will make a tight fit with all edges of the aperture.

3. Setout the service penetrations and cut the coated batt at the mid point of each service to enable the batt to be fitted into the aperture.

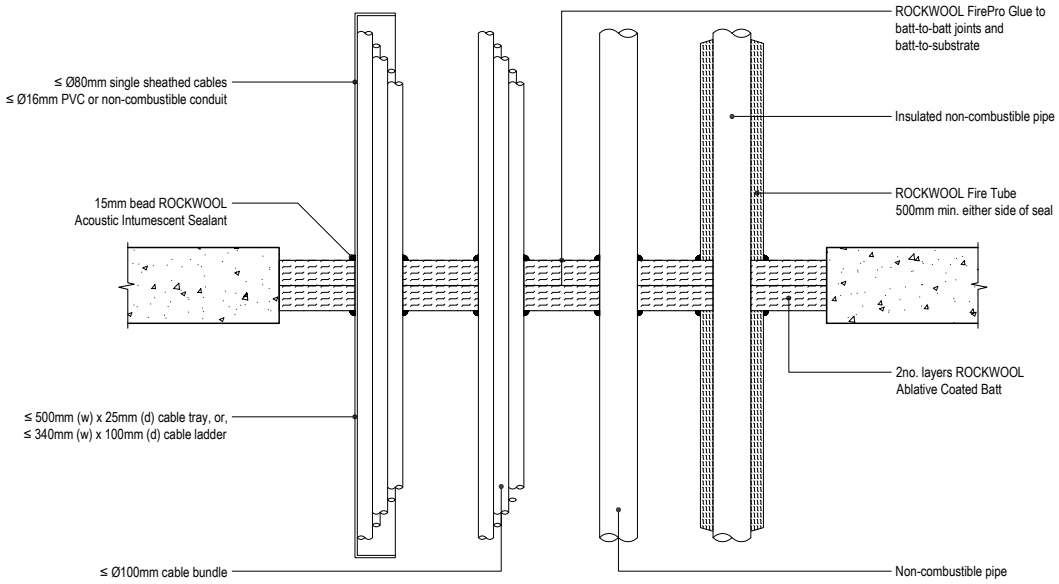
4. Apply Rockwool FirePro Glue to all edges of the batt, ensuring that an even cover is achieved over the entire thickness of the batt. This should include the outer edges of the batt and the edges of the cut made across the batt to allow fitting into the aperture. There is no requirement to apply FirePro Glue to the edges of the holes cut to accommodate each cable tray or ladder.

5. Insert the batt into the aperture.

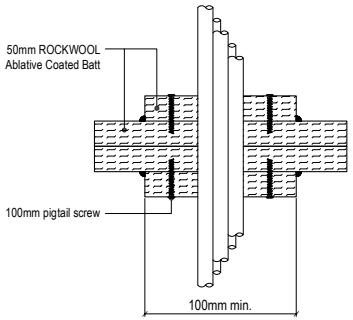
6. Apply a bead of Rockwool acoustic intumescent sealant, approximately 15mm wide, around the perimeter of the batt ensuring that all gaps between the batt and surrounding edges are fully filled.

7. Apply a bead of Rockwool acoustic intumescent sealant, approximately 15mm wide, where the cables pass through the batt. Ensure that the sealant fully encloses each cable within the tray or ladder and that all gaps are fully filled.

8. Repeat step 7 and 8 on the other side of the batt




| Service type | 30 Minutes | | 60 Minutes | | 90 Minutes | | 120 Minutes | |
|---|---|---|---|---|---|---|---|---|
| | Integrity | Insulation | Integrity | Insulation | Integrity | Insulation | Integrity | Insulation |
| Maximum aperture size m² (120 Min Insulation Performance) | 2.46m² | | 2.46m² | | 2.37m² | | 2.28m² | |
| bunched cables ≤100 mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Cable tray ≤500 x 25mm Cable Ladder 340 x 100mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓* | ✓ | |
| 0-15mm sheathed cables | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓* |
| 16-21mm sheathed cables | ✓ | ✓ | ✓ | ✓₴* | ✓ | ✓* | ✓ | |
| 22-50mm sheathed cables | ✓ | ✓ | ✓ | ✓₴* | ✓ | ✓* | ✓ | |
| 50-80mm sheathed cables | ✓ | ✓ | ✓ | ✓₴* | ✓ | | ✓ | |
| PVC Conduits ≤15mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Steel pipes ≤168 mm lagged with Fire Tube | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Steel pipes ≤168 mm unlagged | ✓ | | ✓ | | ✓ | | ✓ | |
| Copper pipes ≤ 54 mm lagged with Fire Tube | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Copper pipes ≤ 54 mm unlagged | ✓ | | ✓ | | ✓ | | ✓ | |
| Fire Damper ≤ 1 x 1 m (Max aperture 2.4m² with Firepro Glue) | ✓ | | ✓ | | ✓ | | ✓ | |
| All batt to batt and batt to substrate joints shall be sealed using Firepro glue | | | | | | | | |
| * With additional protection of patress piece of coated batt Min 100mm around the cable (Min 4 pigtail screw fixings) | | | | | | | | |
| ₴ Cables insulated with ROCKWOOL RWA45 insulation 40mm thick 300mm either side of seal | | | | | | | | |




ADDITIONAL CABLE PROTECTION
TO ACHIEVE INSULATION RATING



## ROCKWOOL Standard Detail:

Supporting Test Data : CF5578 / WF335645 Issue3

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

The Floor construction should be of a minimum thickness of 150mm. For thinner substrates please contact ROCKWOOL Technical Solutions.

All service items should be adequately supported either side of the Firestop to ensure that no load is transferred onto the coated batt.

For specific installation details not cover by this detail (such as Damper installation) then please consult the relevant Standard detail or the Rockwool Fire stopping Technical manual.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 120 Minutes | Up to 120 Minutes |

ROCKWOOL

Pencoed, Bridgend,
South Wales CF35 6NY
t: 01656 868490
technical.solutions@rockwool.co.uk

Drawing Title:
50mm Ablative Coated Batt
Double Layer Application Range - Horizontal Seal

| Scale: | Date: | |
|---|---|---|
| NTS | AUG 18 | |
| Sheet Size: A3 | Drawn By: S.HIRONS | Checked By: R.WAKEFIELD |
| Drawing Number: SD-123-RW | | Revision: C |

INSTALLATION NOTES

1. Make sure that the area within the aperture is clean of any debris and remove any dust from the edges.

2. Cut Rockwool ablative coated batt to the size and shape required to fit the aperture ensuring the batt will make a tight fit with all edges of the aperture.

3. Setout the service penetrations and cut the coated batt at the mid point of each service to enable the batt to be fitted into the aperture.

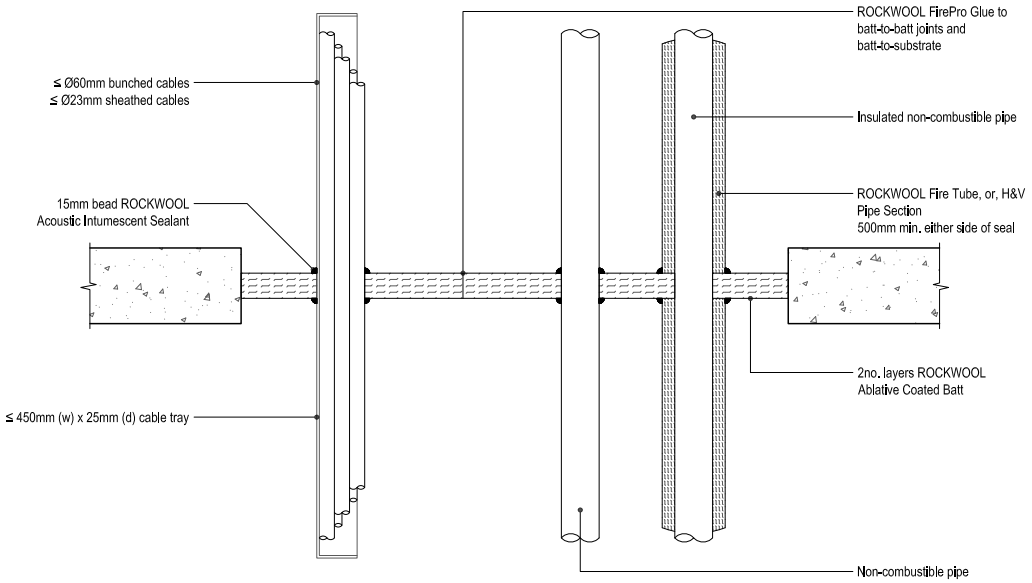
4. Apply Rockwool FirePro Glue to all edges of the batt, ensuring that an even cover is achieved over the entire thickness of the batt. This should include the outer edges of the batt and the edges of the cut made across the batt to allow fitting into the aperture. All batt to batt joints should receive FirePro Glue. There is no requirement to apply FirePro Glue to the edges of the holes cut to accommodate each service penetration.

5. Insert the batt into the aperture.

6. Apply a bead of Rockwool acoustic intumescent sealant, approximately 15mm wide, around the perimeter of the batt ensuring that all gaps between the batt and surrounding edges are fully filled.

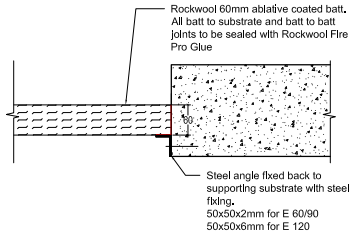
7. Apply a bead of Rockwool acoustic intumescent sealant, approximately 15mm wide where service penetrations pass through the batt.

8. Repeat step 6 and 7 on the other side of the batt.




| Service type | 60 Minutes | | 90 Minutes | | 120 Minutes | | 240 Minutes | |
|---|---|---|---|---|---|---|---|---|
| | Integrity | Insulation | Integrity | Insulation | Integrity | Insulation | Integrity | Insulation |
| Max aperture size $m^2$* Integrity Only | 5.8$m^2$ | | 5.8$m^2$ | | 5.8$m^2$ | | 0.6$m^2$ | |
| Max aperture size Unsupported (Max 120 min Insulation) | 1200 x 600 mm | | 1200 x 600 mm | | 1200 x 600 mm | | 600 x 600 mm | |
| bunched cables ≤60 mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 0-23mm sheathed cables | ✓ | ✓ | ✓ | | ✓ | | | |
| Cable trays ≤450 x 25mm | ✓ | ✓ | ✓ | | ✓ | | | |
| Steel pipes ≤168 mm unlagged | ✓ | | ✓ | | ✓ | | ✓ | |
| Steel pipes ≤168 mm lagged with Fire Tube | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Copper pipes ≤ 108mm unlagged | ✓ | | ✓ | | ✓ | | ✓ | |
| Copper pipes ≤ 108 mm lagged with Fire Tube | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| PVC pipes ≤110mm see Rockwool detail NSD-119 | ✓ | ✓ | ✓ | ✓ | | | | |
| Fire Damper ≤ 1 x 1 m (Max aperture 2.4$m^2$ with Firepro Glue)* | ✓ | | ✓ | | ✓ | | ✓ | |

*All batt to batt and batt to substrate joints shall be sealed using Firepro glue. Steel support angle as detailed shall be incorporated into the aperture.




PERIMETER ANGLE

## ROCKWOOL Standard Detail:

Supporting Test Data : Chilt A08152/E

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

The Floor construction should be of a minimum thickness of 150mm. For thinner substrates please contact ROCKWOOL Technical Solutions.

All service items should be adequately supported either side of the Firestop to ensure that no load is transferred onto the coated batt.

For specific installation details not cover by this detail (such as Damper Installation) then please consult the relevant Standard detail or the Rockwool Fire stopping Technical manual.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 240 Minutes | Up to 240 Minutes |


ROCKWOOL

Pencoed, Bridgend,
South Wales CF35 6NY
t: 01656 868490
technical.solutions@rockwool.co.uk


Drawing Title:
60mm Ablative Coated Batt
Single Layer Application Range - Horizontal Seal

| Scale: | Date: | |
|---|---|---|
| 1:10 | AUG 18 | |
| Sheet Size: A3 | Drawn By: S.HIRONS | Checked By: R.WAKEFIELD |
| Drawing Number: SD-124-RW | | Revision: D |

## INSTALLATION NOTES

A permanent shuttering made from 50mm ROCKWOOL slab (minimum density 140kg/m3) is cut and friction fitted between services and the edges of the floor slab. Firestop Compound Is then trowelled over the shutter to a depth of 25mm thick. This is allowed to cure. Further Firestop Compound is then mixed to a pouring grade and tops the seal up to the required depth.

**Floor openings**

1) A bag of compound to 10 litres water (3:1) by volume. Vary to suit site conditions

2) Set the shuttering into the opening ensuring a tight fit so that once the required depth of Compound is installed it finishes flush with the floor slab/screed unless otherwise specified

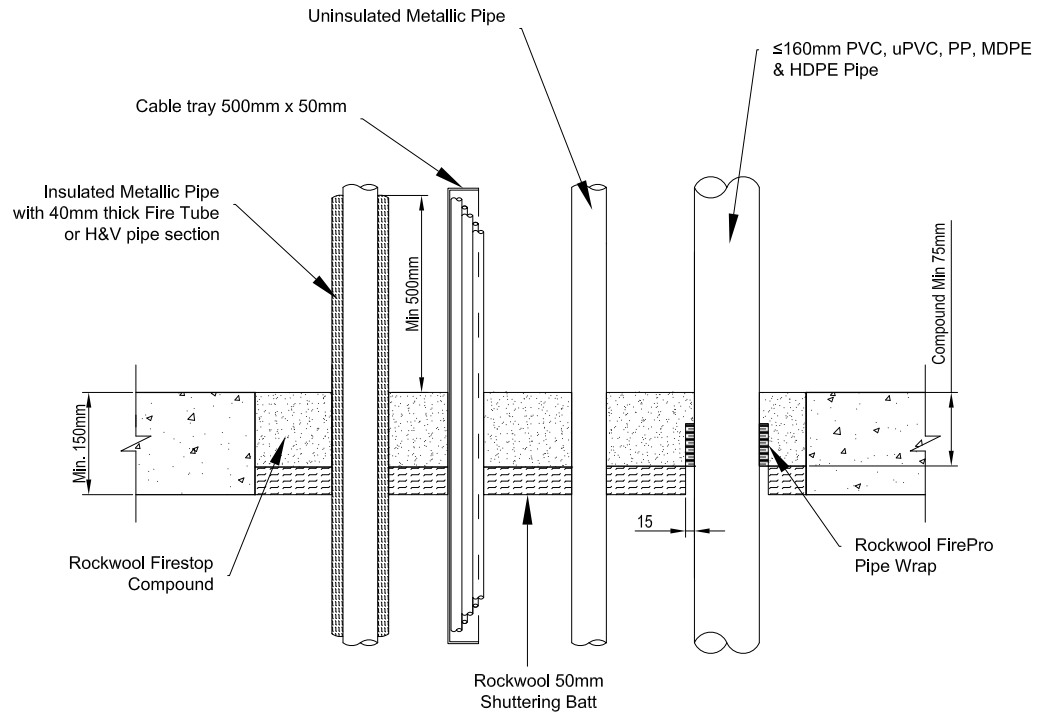
3) Mix and pour compound until the required thickness is achieved.

**Reinforcement**

Reinforcing of the compound requires either 12mm diameter bars or 40mm (high) x 60mm steel angle fixed across the short span of the aperture. The bars should be installed at 200mm centres across the aperture and may be installed such that they are recessed into the surrounding structure by minimum 50mm on both sides or supported on an steel angle securely fixed to the structure.

Steel angle reinforcement shall be installed at 250mm centres and shall be bolted back to supporting angle, which is fixed back to the structure. The support angle for rod or angle reinforcement shall be 50mm x 50mm x 1.6mm and shall be securely fixed back to the structure with nominally 8mm steel anchor bolts at a maximum of 200mm centres.

In all instances the reinforcement shall be positioned approximately 30mm above the bottom surface of the compound to ensure adequate fire protection from below.




| Service type | 60 Minutes | | 90 Minutes | | 120 Minutes | | 240 Minutes | |
|---|---|---|---|---|---|---|---|---|
| | Integrity | Insulation | Integrity | Insulation | Integrity | Insulation | Integrity | Insulation |
| 75mm Blank seal up to 500 mm x 500 mm* | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| 100mm Blank seal up to 750 mm x 750 mm* | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 75mm Seal with services no reinforcement - 500mm x any length* | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| 100mm Seal with services no reinforcement - 750mm x any length* | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 100mm Seal with services, Simply Reinforced - 1500mm x any length* | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Cable Tray ≤500mm x 50mm | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | |
| Bunched cables ≤100 mm | ✓ | ✓ | ✓ | | ✓ | | | |
| Electrical cables up to 21mm | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | |
| Electrical cables 21mm - 50mm | ✓ | ✓ | ✓ | | ✓ | | ✓ | |
| Electrical cables 51mm - 80mm | ✓ | | ✓ | | ✓ | | ✓ | |
| Steel pipes ≤165 Unlagged | ✓ | | ✓ | | ✓ | | ✓ | |
| Steel pipes ≤165 lagged with Fire Tube | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Copper pipes ≤ 108 mm lagged with Fire Tube | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Copper pipes ≤ 108 mm unlagged | ✓ | | ✓ | | ✓ | | ✓ | |
| ≤160mm PVC, uPVC, PP, MDPE & HDPE pipe Rockwool Pipe Wrap | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| * Load bearing performance in line with BS6399 for workspaces and cupboards | | | | | | | | |
| For Fire Dampers see specific standard details | | | | | | | | |

## ROCKWOOL Standard Detail:

Supporting Test Data : IFCPAR/12482/01- BMTFEIF14015

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

All service items should be adequately supported either side of the Firestop to ensure that no permanent load is transferred onto the coated batt.

The Firestop compound is designed to accommodate light foot traffic in line with BS6399 for workspaces and cupboards.

Combustible pipes passing through the compound shall be provided with either ROCKWOOL Firestop Collar or Wrap. It is important to ensure that the collar or wrap shall remain exposed at the soffit (therefore to direct fire exposure). If the shuttering batt is to remain in place then care shall be taken to ensure the intumescent device remains exposed. One option to achieve this would be to use a PE backing rod between the pipe and the batt to ensure the shuttering allows the compound to be poured yet burns away quickly to expose the intumescent. A width of 15mm is suggested.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 240 minutes | Up to 240 minutes |


ROCKWOOL

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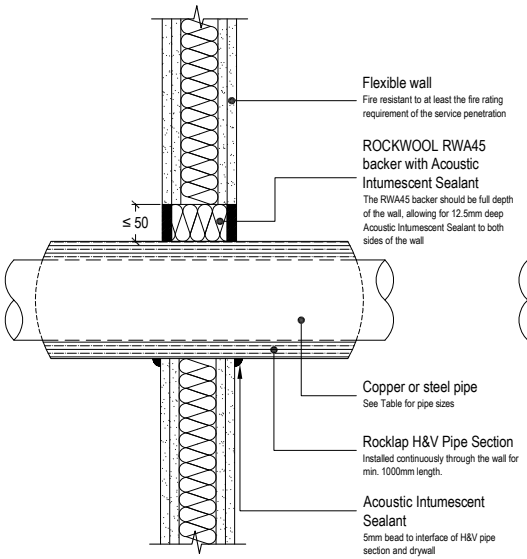
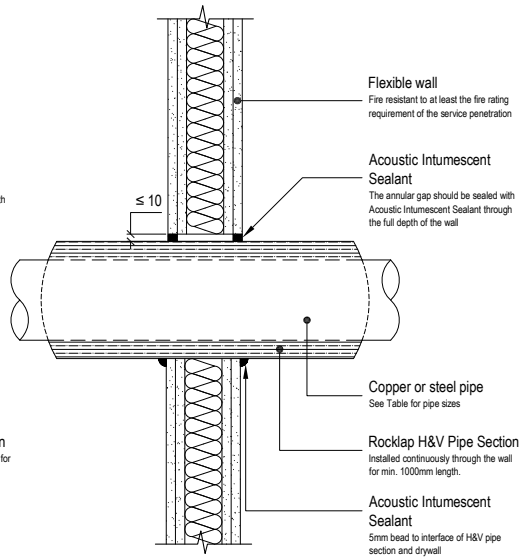
t: 01656 868490
technical.solutions@rockwool.co.uk


Drawing Title:
FireStop Copound
Floor Seal

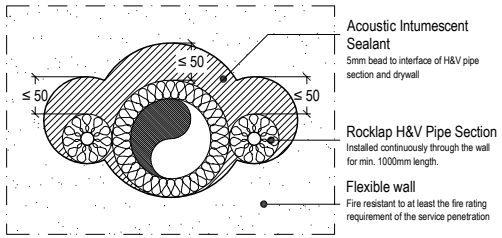
| Scale: | Date: | |
|---|---|---|
| NTS | 22.08.18 | |
| Sheet Size: | Drawn By: | Checked By: |
| A3 | RW TECH | R.WAKEFIELD |
| Drawing Number: | | Revision: |
| SD-132-RDW | | C |




ROCKLAP H&V PIPE SECTION THROUGH DRYWALL WITH ANNULAR SPACE UP TO 50mm




ROCKLAP H&V PIPE SECTION THROUGH DRYWALL WITH ANNULAR SPACE LESS THAN 11mm




ROCKLAP H&V PIPE SECTION CLUSTER THROUGH DRYWALL WITH ANNULAR SPACE UP TO 50mm

| Service type | | H&V Thickness | Annular gap | Performance (mins) Locally Sustained Integrity | Performance (mins) Locally Sustained Insulation | Performance (mins) Continuously Sustained Integrity | Performance (mins) Continuously Sustained Insulation | Test Standard | Service separation minimum (mm) Aperture | Service separation minimum (mm) Services | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Copper pipe | ≤ Ø 15mm | 20mm | ≤10mm | 120 | 120 | 120 | 120 | EN | 0 | 0 | Annular space sealed with Acoustic Intumescent Sealant through full wall thickness |
| Steel pipe | ≤ Ø 60mm | | | | | | | | | | |
| Copper pipe | ≤ Ø 15mm | | 11 - 50mm | | | | | | | | Annular space filled with RWA45 and finished with 12.5mm Acoustic Intumescent Sealant |
| Steel pipe | ≤ Ø 60mm | | | | | | | | | | |
| Copper pipe custer | Ø 15 - 60mm | | | | | | | | | | |
| Copper pipe | ≤ Ø 15mm | 25mm | ≤10mm | 120 | 120 | 120 | 120 | | | | Annular space sealed with Acoustic Intumescent Sealant through full wall thickness |
| | Ø 16mm - 108mm | | | | 60 | | | | | | |
| Steel pipe | ≤ Ø 114mm | | | | 90 | | | | | | |
| | Ø 114mm - 219mm | | | 90 | | 90 | 90 | | | | |
| Copper pipe | ≤ Ø 15mm | | 11 - 50mm | 120 | 120 | 120 | 120 | | | | Annular space filled with RWA45 and finished with 12.5mm Acoustic Intumescent Sealant |
| | Ø 16mm - 108mm | | | | 90 | | | | | | |
| Steel pipe | ≤ Ø 114mm | | | | | | 90 | | | | |
| | Ø 114mm - 219mm | | | | 60 | | | | | | |
| Copper pipe custer | Ø 15mm - 108mm | 25mm | ≤50mm | 120 | 60 | 120 | 120 | | | | |
| Steel pipe cluster | Ø 15mm - 114mm | | | | 120 | | | | | | |



## ROCKWOOL Standard Detail:

Supporting Test Data : WF 410975

The supporting construction must be capable of achieving the required fire rating of the proposed firestop.

Flexible wall construction must be installed in accordance with the manufacturers guidelines. The wall thickness shall be a minimum of 100mm,

All services should be adequately supported both sides of the firestop to ensure the no load is transferred to the wall.

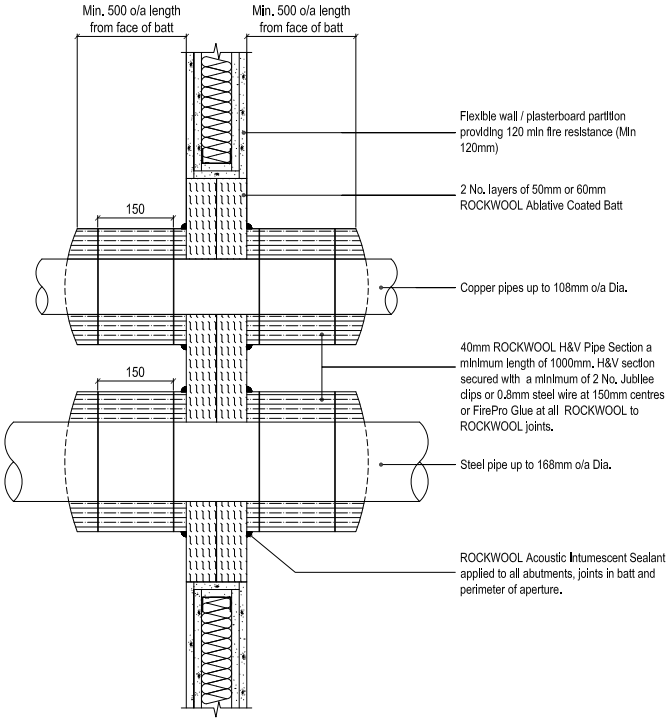
These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

| Integrity Performance: | Insulation Performance: |
|---|---|
| See Table | See Table |

ROCKWOOL®
Pencoed, Bridgend,
South Wales CF35 6NY
t: 01656 868490
technical.solutions@rockwool.co.uk

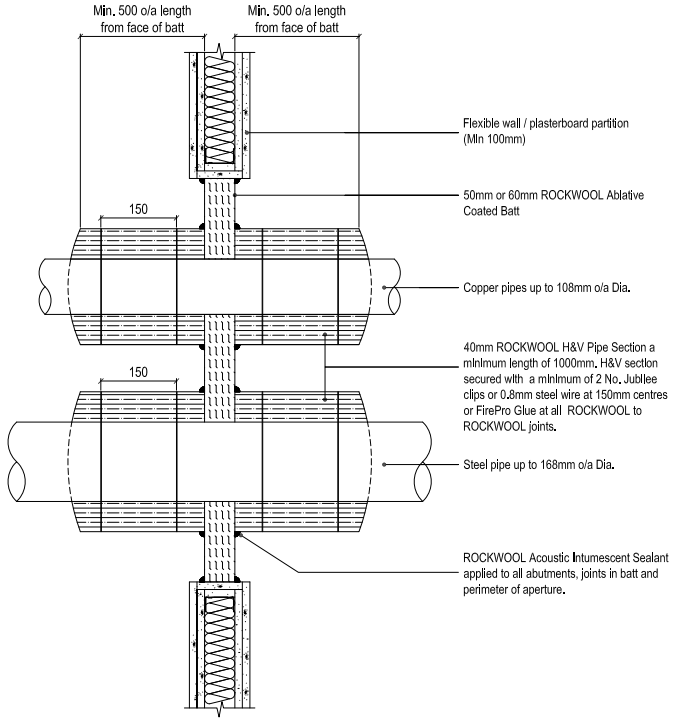
Drawing Title:
Rocklap H&V Pipe Section
Non-combustible pipes through drywall

| Scale: | Date: | |
|---|---|---|
| NTS | MAY 19 | |
| Sheet Size: A3 | Drawn By: S. HIRONS | Checked By: RW TECH |
| Drawing Number: SD-260-RW | | Revision: A |




DOUBLE LAYER 50MM OR 60MM ROCKWOOL ABLATIVE COATED BATT WITH NON-COMBUSTIBLE PIPE PENETRATIONS LAGGED WITH H & V SECTION

INTEGRITY PERFORMANCE: 120 MINUTES
INSULATION PERFORMANCE: 120 MINUTES




SINGLE LAYER 50MM OR 60MM ROCKWOOL ABLATIVE COATED BATT WITH NON-COMBUSTIBLE PIPE PENETRATIONS LAGGED WITH H & V SECTION

INTEGRITY PERFORMANCE: 60 MINUTES
INSULATION PERFORMANCE: 60 MINUTES

## ROCKWOOL Standard Detail:

The supporting structure must be capable of achieving the required fire rating of the proposed Firestop.

Flexible/partition wall construction must be installed in accordance with the manufacturers guidelines with the aperture being fully framed and lined.

All service items should be adequately supported either side of the Firestop to ensure that no load is transferred onto the coated batt.

This detail should be read in conjunction with the relevant product literature for ROCKWOOL Ablative Coated Batt and H & V Section.

ROCKWOOL H&V Pipe Section a minimum length of 1000mm. H&V section secured with a minimum of 2 No. Jubilee clips or 0.8mm steel wire at 150mm centres or FirePro Glue at all ROCKWOOL to ROCKWOOL joints.

For aperture size restrictions refer to relevant application literature / standard detail.

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 120 minutes | Up to 120 minutes |

| Rev | Date | Notes |
|---|---|---|
| | | |

ROCKWOOL

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South Wales CF35 6NY
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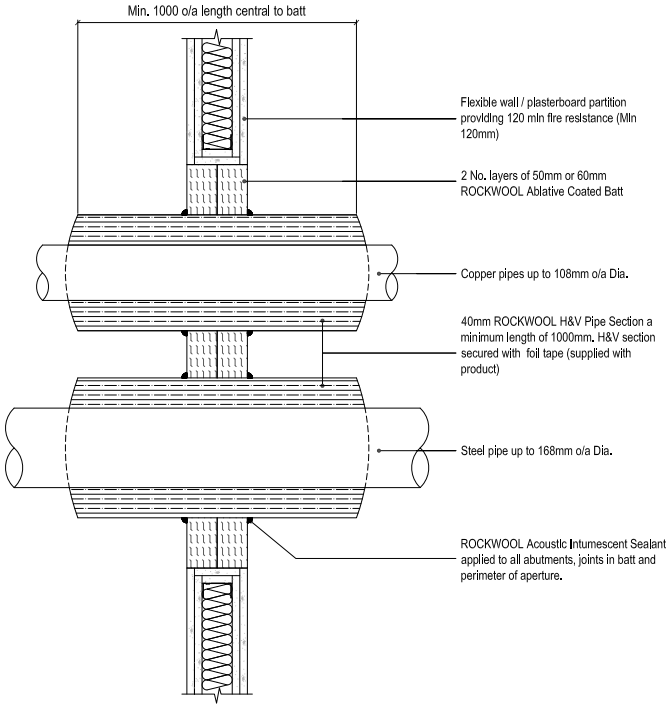
email: technical.solutions@rockwool.co.uk

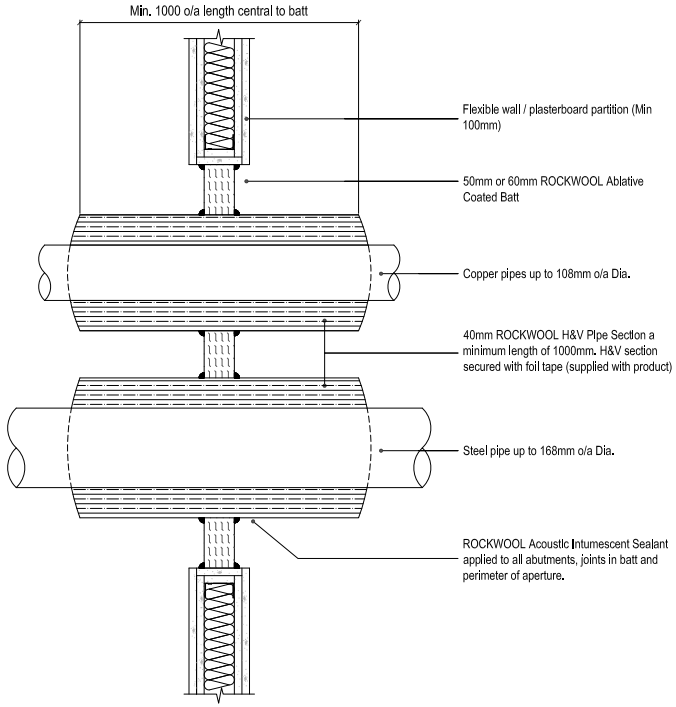
Drawing Title:
ROCKWOOL Standard Detail
ACB with Pipe Penetrations and H&V against

| Scale: | Date: | |
|---|---|---|
| NTS | MAR 17 | |
| Sheet Size: A3 | Drawn By: RW TECH | Checked By: R.WAKEFIELD |
| Drawing Number: SD-140-RW | | Revision: B |




DOUBLE LAYER 50MM OR 60MM ROCKWOOL
ABLATIVE COATED BATT WITH
NON-COMBUSTIBLE PIPE PENETRATIONS
LAGGED WITH H & V SECTION

INTEGRITY PERFORMANCE: 120 MINUTES
INSULATION PERFORMANCE: 120 MINUTES




SINGLE LAYER 50MM OR 60MM ROCKWOOL
ABLATIVE COATED BATT WITH
NON-COMBUSTIBLE PIPE PENETRATIONS
LAGGED WITH H & V SECTION

INTEGRITY PERFORMANCE: 60 MINUTES
INSULATION PERFORMANCE: 60 MINUTES

## ROCKWOOL Standard Detail:

The supporting structure must be capable of achieving the required fire rating of the proposed Firestop.

Flexible/partition wall construction must be installed in accordance with the manufacturers guidelines with the aperture being fully framed and lined.

All service items should be adequately supported either side of the Firestop to ensure that no load is transferred onto the coated batt.

This detail should be read in conjunction with the relevant product literature for ROCKWOOL Ablative Coated Batt and H & V Section.

ROCKWOOL H&V Pipe Section a minimum length of 1000mm (L/S) or continuously lagged (C/S) does not require bands or glue.

For aperture size restrictions refer to relevant application literature / standard detail.

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 120 minutes | Up to 120 minutes |

| Rev | Date | Notes |
|---|---|---|
| | | |

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Drawing Title:
ROCKWOOL Standard Detail
ACB with Pipe Penetrations and H&V through

| Scale: | Date: | |
|---|---|---|
| NTS | MAR 17 | |
| Sheet Size: A3 | Drawn By: RW TECH | Checked By: R.WAKEFIELD |
| Drawing Number: SD-141-RW | | Revision: C |

INSTALLATION NOTES

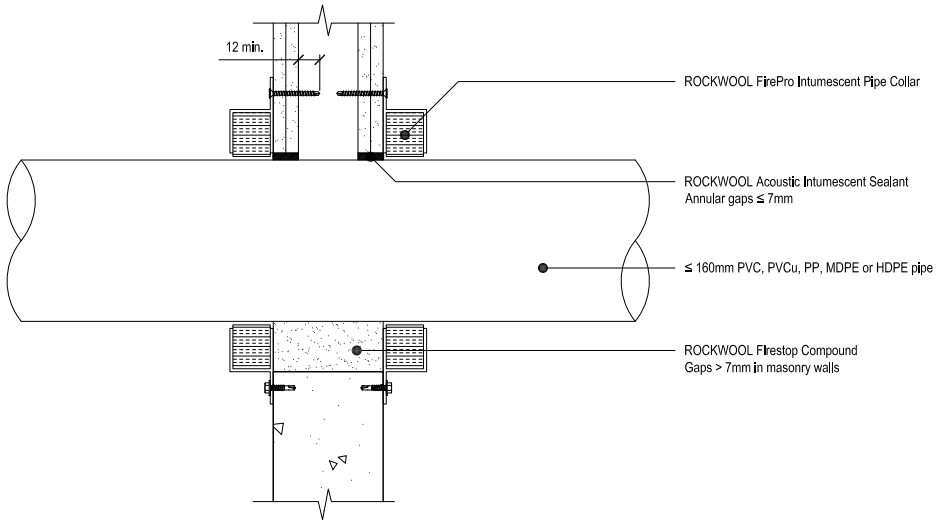
1. Make sure that the area within the aperture is clean of any debris and remove any dust from the edges.

2. Seal gaps around the plastic pipe with either Rockwool Acoustic Intumescent Sealant or Firestop Compound.

3. Lock the FirePro Collar around the pipe closing the toggle clip firmly. Push the pipe collar back firmly against the wall.

5. Fix the FirePro collar to the wall by means of 32mm long, steel self-tapping screws for solid walls and by deep threaded drywall screws min 12mm longer than the thickness of the board layers for drywall installations.

6. Repeat for the other side of the wall.




## ROCKWOOL Standard Detail:

Supporting Test Data : IFC PAR_12482_01

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop. Dry wall partitions should have a minimum of 2 layers of plasterboard on each face of the wall.

The pipes must be supported within 1m either side of the wall construction such that no load is imparted onto the seal system.

The maximum pipe wall thickness covered by this detail is 7mm and a minimum wall thickness of 2.5mm. Please refer to the FirePro Collar data sheet for specific pipe size and types and the appropriate maximum fire ratings.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: (Solid Wall) | Insulation Performance: (Solid Wall) |
|---|---|
| 240 Minutes | 240 Minutes |
| **Integrity Performance: (Stud Wall)** | **Insulation Performance: (Stud Wall)** |
| 120 Minutes | 120 Minutes |

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technical.solutions@rockwool.co.uk

Drawing Title:
FirePro Collar protecting combustible pipes through solid/flexible walls

| Scale: | Date: | |
|---|---|---|
| 1:5 | AUG 18 | |
| Sheet Size: A3 | Drawn By: S.HIRONS | Checked By: R.WAKEFIELD |
| Drawing Number: SD-118-RW | | Revision: C |

## INSTALLATION NOTES

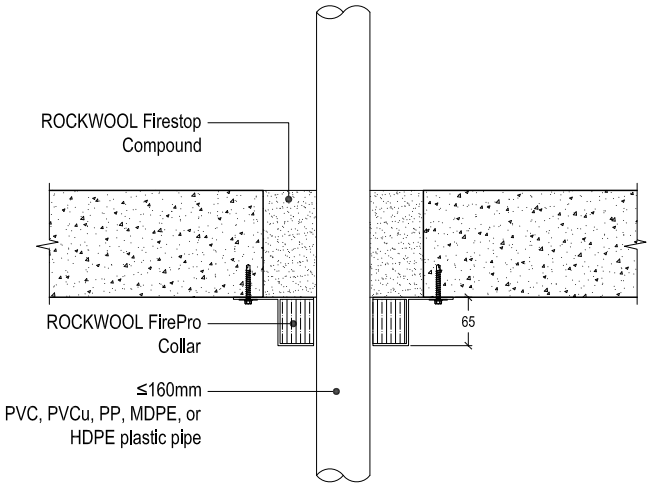
1. Make sure that the area within the aperture is clean of any debris and remove any dust from the edges.

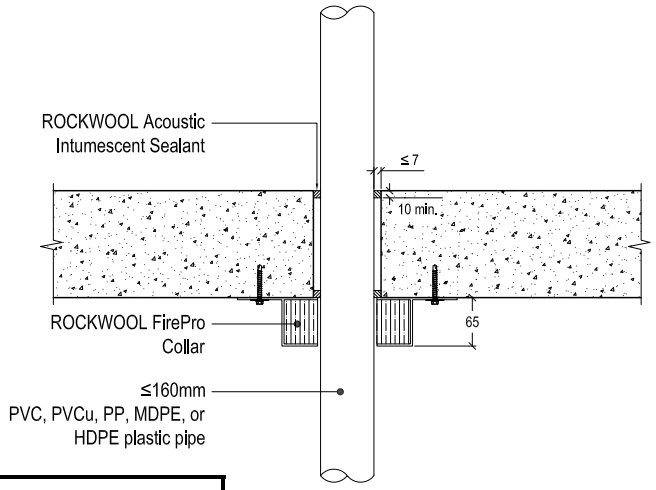
2. Seal gaps around the plastic pipe with either Rockwool Acoustic Intumescent Sealant or Firestop Compound.

3. Ensure there is 65mm clearance below the soffit before applying the collar.

4. Lock the FirePro Collar around the pipe closing the toggle clip firmly. Push the pipe collar back firmly against the soffit.

5. Fix the FirePro collar to the soffit by means of 32mm long, steel self-tapping screws, through the fixing tabs.




| FirePro Pipe Collar - Floor Seal | | | | |
|---|---|---|---|---|
| Maximum Pipe OD (mm) | Max. Pipe Wall Thickness (mm) | Intumescent Thickness (mm) | Integrity | Insulation |
| 55 | 7 | 4 | 120 | 120 |
| 55 | 7 | 8 | 240 | 240 |
| 82 | 7 | 8 | 240 | 240 |
| 110 | 7 | 8 | 120 | 120 |
| 110 | 7 | 12 | 240 | 240 |
| 160 | 7 | 20 | 240 | 240 |



**ROCKWOOL Standard Detail:**

Supporting Test Data : IFC PAR_12482_01

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

The maximum pipe wall thickness covered by this detail is 7mm and a minimum wall thickness of 2.5mm. Please refer to the FirePro Collar data sheet for specific pipe size and types and the appropriate maximum fire ratings.

All service items should be adequately supported either side of the Firestop to ensure that no load is transferred onto the seal.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 240 Minutes | Up to 240 Minutes |

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Drawing Title:
FirePro Collar protecting combustible pipes through floors

| Scale: | Date: | |
|---|---|---|
| NTS | NOV 18 | |
| Sheet Size: A3 | Drawn By: S. HIRONS | Checked By: R.WAKEFIELD |
| Drawing Number: SD-131-RW | | Revision: C |

INSTALLATION NOTES

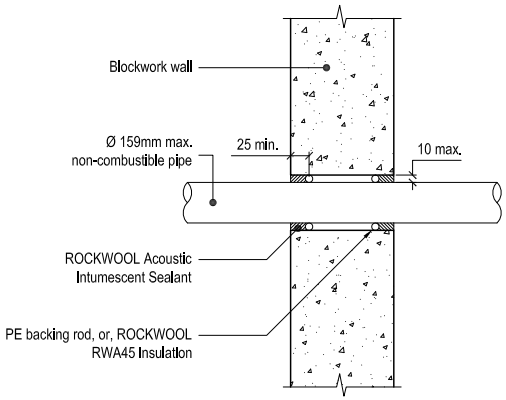
1. Make sure that the area within the aperture is clean of any debris and remove any dust from the edges.

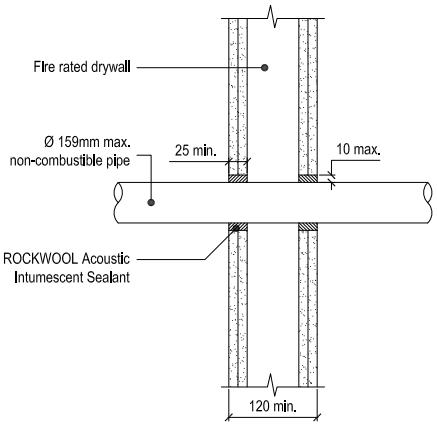
2. Ensure that the surface is free from any bond breaking contaminants prior to application of sealant.

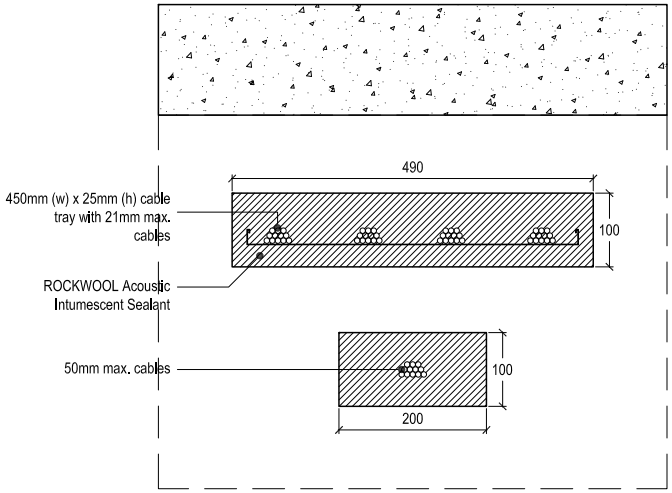
3. Install the backing material around the service item to allow for the minimum allowable seal depth. The backing material can consist of either ROCKWOOL RWA45 / RW4 packed around the service or a PE backing rod.

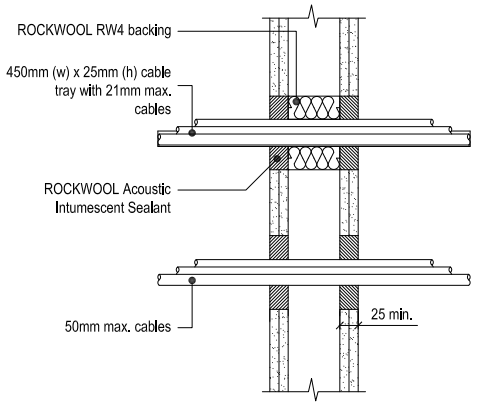
4. Install the Rockwool Acoustic Intumescent Sealant to the required depth ensuring a smooth tight finish with both the service item and the substrate.

5. Repeat step 3 and 4 on the other side of the wall.




## ROCKWOOL Standard Detail:

Supporting Test Data : ETA 15-0326

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

Flexible wall construction must be installed in accordance with the manufacturer's guidelines. The Wall construction should be of a minimum thickness of 120mm.

Where insulation is required from metallic pipes then the service item will need to be lagged with Rockwool Fire Tube or RockLap H&V Pipe Section. Please contact ROCKWOOL technical for further details.

Backing material to control depth of sealant can be either a PE backing rod or ROCKWOOL RW 4 insulation packed into the annular space.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Pipe Integrity Performance: | |
|---|---|
| Up to 120 Minutes | |
| **Integrity Performance: (Cables)** | **Insulation Performance: (Cables)** |
| 120 Minutes (21-50mm Cables 90 Minutes) | 90 Minutes (21-50mm Cables 60 Minutes) |

ROCKWOOL

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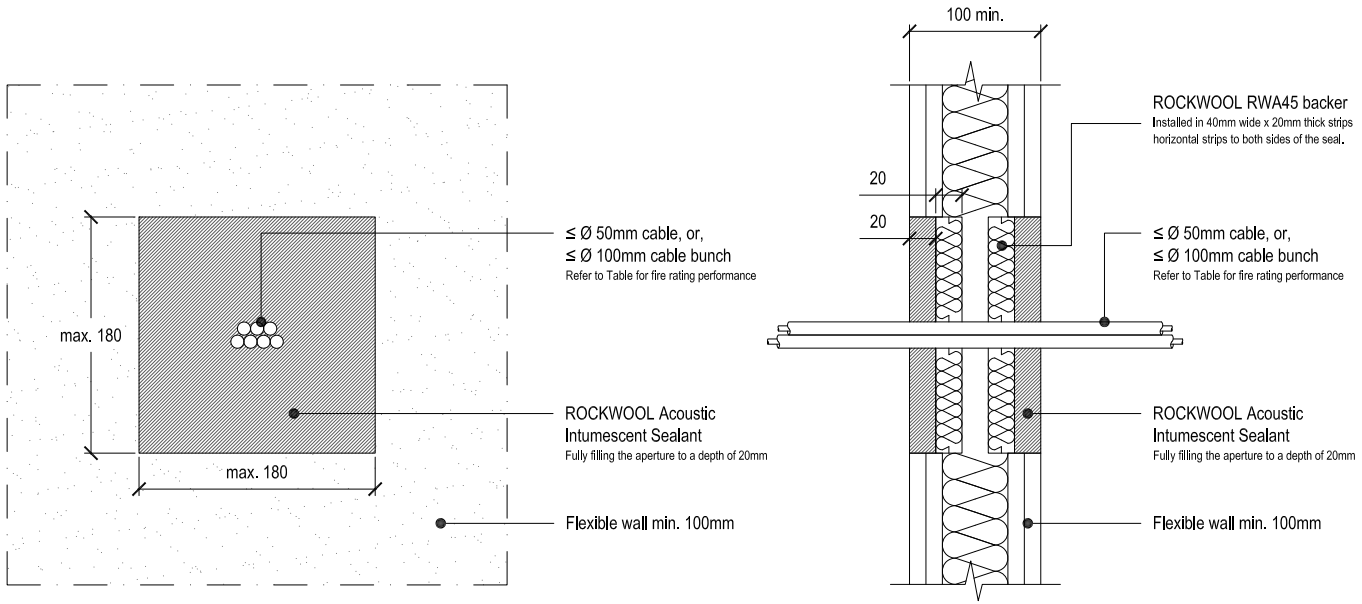
Drawing Title:
Acoustic Intumescent Sealant with single pipe/cable

| Scale: | Date: | |
|---|---|---|
| NTS | NOV 18 | |
| Sheet Size: A3 | Drawn By: S. HIRONS | Checked By: R.WAKEFIELD |
| Drawing Number: SD-128-RW | | Revision: C |




| Service type | | Flexible / rigid wall (min. 100mm thick) Integrity | Insulation | Test Standard |
|---|---|---|---|---|
| Blank seal | ≤ 180mm x 180mm | 120 | 120 | EN |
| Electrical cable | ≤ Ø 21mm | | | |
| | Ø 22mm - 50mm | 90 | 60 | |
| Telecomm cables | ≤ Ø 100mm bundle | 120 | 15 | |

## ROCKWOOL Standard Detail:

Supporting Test Data : WF 378958

The supporting construction must be capable of achieving the required fire rating of the proposed firestop.

Flexible wall construction must be installed in accordance with the manufacturers guidelines. The wall construction should be a minimum of 100mm thick.

This detail is also suitable for max. Ø 180mm core hole through wall.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 120 Minutes | Up to 120 Minutes |

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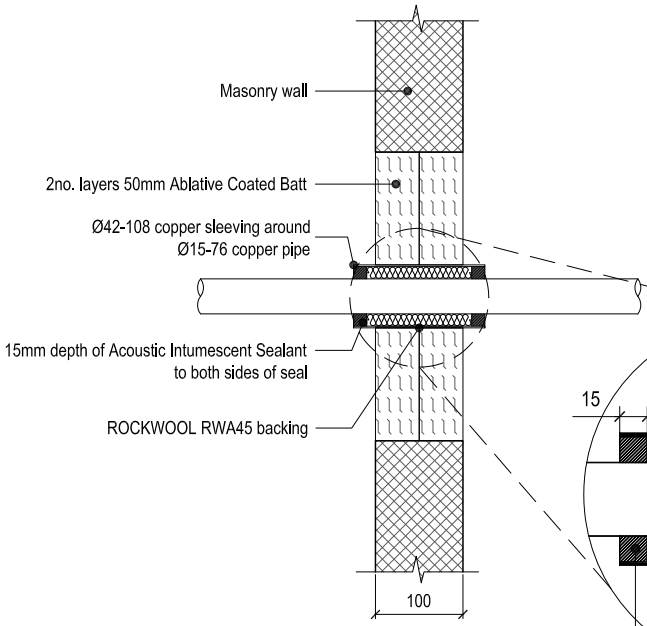
technical.solutions@rockwool.co.uk

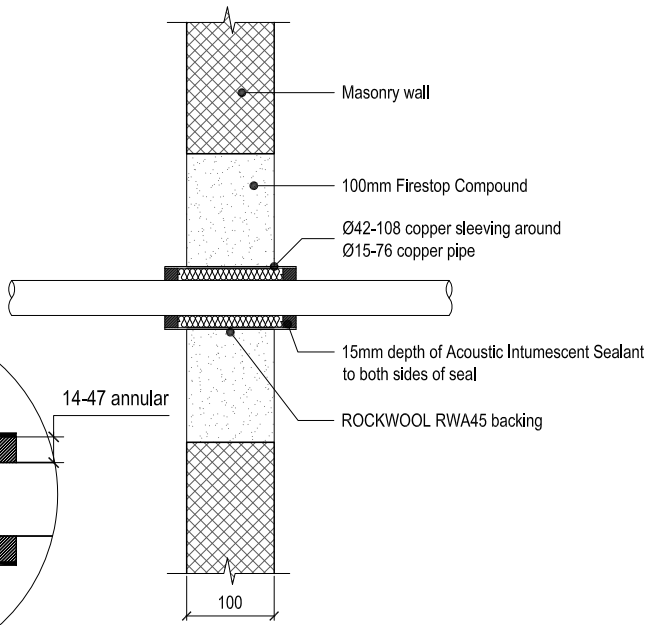
Drawing Title:
Acoustic Intumescent Sealant
Through Drywall

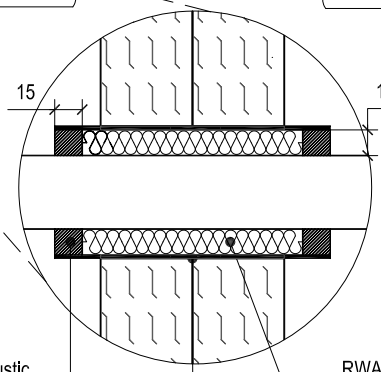
| Scale: | Date: | |
|---|---|---|
| NTS | MAY 19 | |
| Sheet Size: A3 | Drawn By: S. HIRONS | Checked By: RW TECH |
| Drawing Number: SD-127-RW | | Revision: A |

1) Sleeved non combustible pipe through batt seal




2) Sleeved non combustible pipe through compound seal




Min 15mm depth of acoustic intumescent sealant to annular gap up to 47mm

RWA45 backing between pipe sleeve and pipe to full depth of seal

Copper sleeve through batt/compound seal

Performance Table:

| Sleeve | Pipe | Seal | Aperture Size | Annular Gap | Backer | Sealant Depth | EI Rating | Spacing |
|---|---|---|---|---|---|---|---|---|
| 42 - 108mm | 15 - 76mm | Compound | 440 x 330 | 14 - 47mm | RWA45 | 15mm | 120/10 | 0mm From Aperture Edge |
| 42 - 108mm | 15 - 76mm | Double 50mm ACB | 440 x 330 | 14 - 47mm | RWA45 | 15mm | 120/15 | 0mm From Aperture Edge |



## ROCKWOOL Standard Detail:

Supporting Test Data : WF 398664 (BS EN 1366-3)

The masonry wall must be capable of achieving the required 120 minutes Fire Rating as detailed within this drawing.

Annular Space: The annular space between pipe and sleeve should be between 14-47mm. For annular gaps greater than 47mm please contact ROCKWOOL technical

Spacing: There can be 0mm distance from sleeving to aperture edge.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

| Integrity Performance: | Insulation Performance: |
|---|---|
| 120 Minutes | Up to 15 Minutes |

ROCKWOOL

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Drawing Title:
Ablative Coated Batt / Firestop Compound Sleeved Pipe Penetrations

| Scale: | Date: | |
|---|---|---|
| NTS | APR 19 | |
| Sheet Size: A3 | Drawn By: S. HIRONS | Checked By: L.HAM |
| Drawing Number: SD-311-RW | | Revision: B |

INSTALLATION NOTES

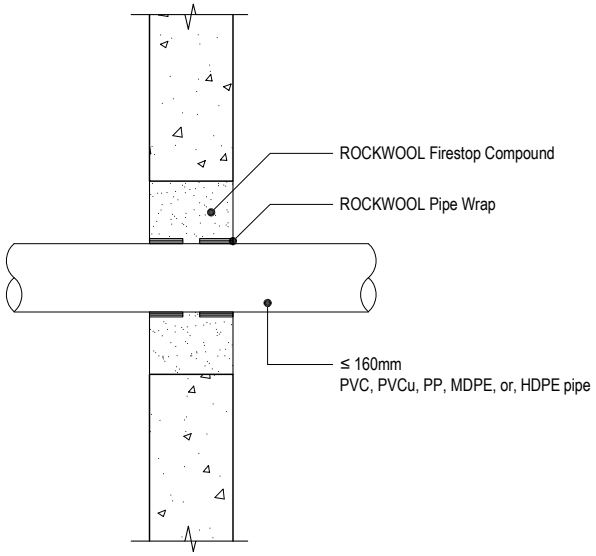
1. Check the pipe surface is clear of mortar.

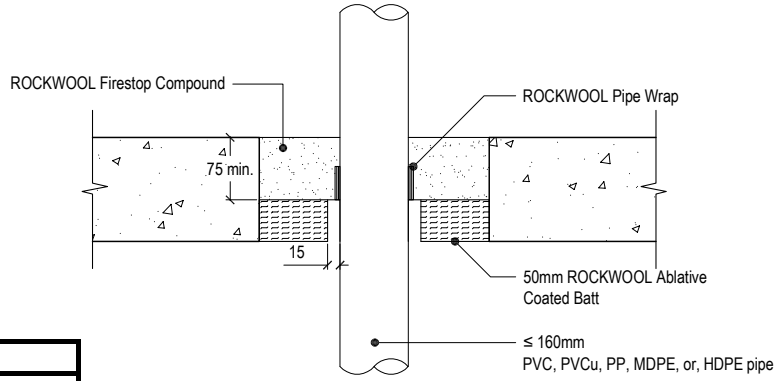
2. Ensure the appropriate size and performance of Intumescent pipe wrap has been selected to suit the outside pipe diameter and the required fire rating.

3. Wrap the pipe wrap around the pipe and fix with integral self-adhesive strip.

4. Slide into position ensuring that either the bottom edge of the wrap is exposed/ flush with floor slab or that both edges are exposed in a wall. Two wraps are necessary in a wall application where the thickness exceeds100mm.

5. Seal the Rockwool Intumescent Pipe Wrap into the opening with Rockwool Firestop compound




| Pipe Ø (mm) | Pipe Wrap Size (Width x Thickness) Integrity and Insulation Performance | |
|---|---|---|
| | 120 Minutes | 240 Minutes |
| 55 | 50mm x 4mm | 50mm x 8mm |
| 82 | 50mm x 8mm | 75mm x 8mm |
| 110 | 50mm x 8mm | 100mm x 8mm |
| 160 | 100mm x 20mm | 100mm x 20mm |

Intumescent Pipe Wraps may also be fitted to ABS and muPVC pipes with Max. outside Dia. of 55mm



## ROCKWOOL Standard Detail:

Supporting Test Data : IFC PAR_12482_01

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

The pipe wall thickness shall be Min. 2.5mm - Max. 7mm.

This detail is to be read in conjunction with ROCKWOOL FireStop Compound standard detail.

All service items should be adequately supported either side of the Firestop to ensure that no load is transferred onto the seal.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 240 Minutes | Up to 240 Minutes |

ROCKWOOL

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technical.solutions@rockwool.co.uk

Drawing Title:
Intumescent Pipe Wrap
Walls and Floors

| Scale: | Date: | |
|---|---|---|
| NTS | NOV 18 | |
| Sheet Size: A3 | Drawn By: S. HIRONS | Checked By: R.WAKEFIELD |
| Drawing Number: SD-136-RW | | Revision: D |

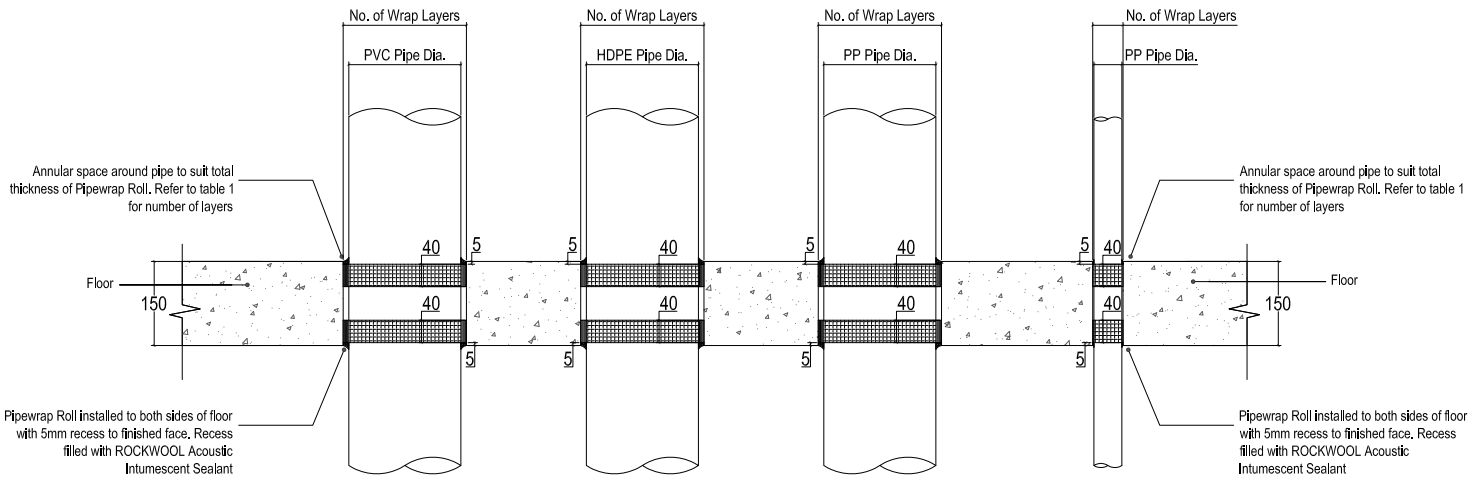
## INSTALLATION NOTES

1) Check that pipe surface and substrate are clean and clear of any debris.
2) Ensure the correct number of layers of wrap as detailed in Table 1 or refer to data sheet.
3) Install the wrap into the floor recessed by 5mm from the face of the floor.
4) Fill the annular space with Rockwool® FirePro® Acoustic Intumescent Sealant to seal off the 5mm gap to the edge of the substrate.
5) Maintain a record of the installation.

## TABLE 1:

| Pipe Size (mm) | Wrap Thickness | Layers |
|---|---|---|
| 32-50 | 40mm (W) x 2mm (T) | 1 |
| 51-82 | 40mm (W) x 4mm (T) | 2 |
| 83-115 | 40mm (W) x 6mm (T) | 3 |
| 116-150 | 40mm (W) x 8mm (T) | 4 |
| 151-200 | 40mm (W) x 10mm (T) | 5 |
| 201-250 | 40mm (W) x 12mm (T) | 6 |

## COMBUSTIBLE PIPES IN RIGID FLOOR WRAP APPLIED TO BOTH SIDES OF SEAL




PVC PIPE
32 - 50mm O/A DIA.
1.8 mm WALL THICKNESS
EI 120

HDPE PIPE
32 - 50mm O/A DIA.
2.9 mm WALL THICKNESS
EI 120

PP PIPE
50 - 200mm O/A DIA.
18.2mm WALL THICKNESS
EI 90

PP PIPE
32 - 50mm O/A DIA.
2.9mm WALL THICKNESS
EI 120

PVC PIPE
50 - 200mm O/A DIA.
7.7 - 9.6mm WALL THICKNESS
EI60

HDPE PIPE
50 - 200mm O/A DIA.
2.9 - 11.4mm WALL THICKNESS
EI 120



## ROCKWOOL Standard Detail:

Supporting Test Data : WF352080/4 - CF5579

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

All service items should be adequately supported either side of the seal.

This detail is to be read in conjunction with the ROCKWOOL FIREPRO Intumescent Pipewrap Roll data sheet specific installation instructions.

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

Refer to Table 1 for number or Pipewrap Roll layers.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 120 Minutes | Up to 120 Minutes |

ROCKWOOL®
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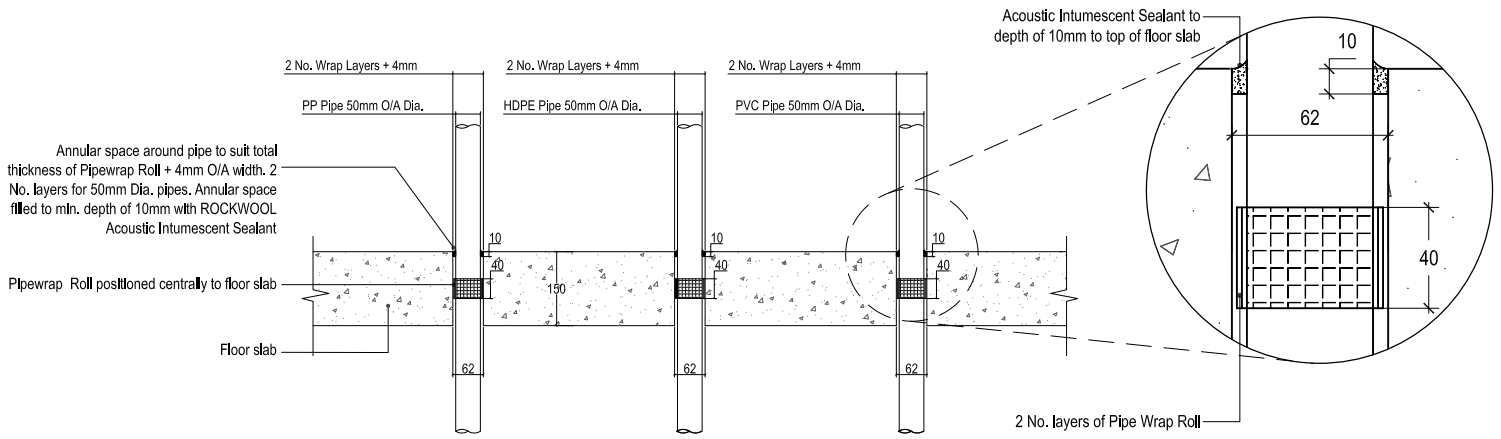
Drawing Title:
FirePro Intumescent Pipe Wrap Roll
Combustibles Pipe Penetrations - Floor double sided

| Scale: | Date: | |
|---|---|---|
| NTS | MARCH 18 | |
| Sheet Size: A3 | Drawn By: RW TECH | Checked By: R.WAKEFIELD |
| Drawing Number: SD-181-RDW | | Revision: B |

## 50mm Dia. COMBUSTIBLE PIPES IN RIGID FLOOR WRAP APPLIED AND SEALED FROM ABOVE




PP PIPE
50mm O/A DIA.
2mm - 6.9mm WALL THICKNESS
EI 240

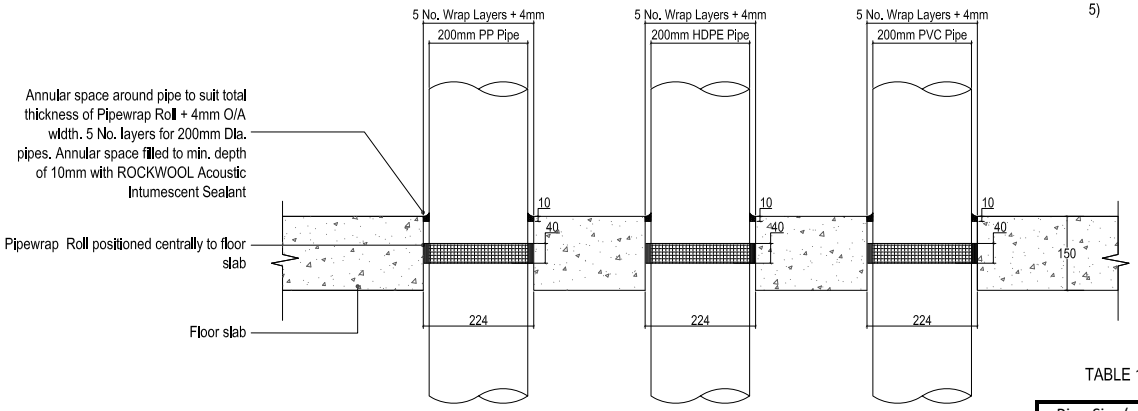
HDPE PIPE
50mm O/A DIA.
3mm - 4.6mm WALL THICKNESS
EI 240

PVC PIPE
50mm O/A DIA.
2.4mm - 3.7mm WALL THICKNESS
EI 120

INSTALLATION NOTES

1) Check that pipe surface and substrate are clean and clear any debris.
2) Ensure the correct number of layers of wrap as detailed in Table 1 or refer to data sheet.
3) Install the wrap centrally to the floor.
4) Fill the annular space with Rockwool® FirePro® Acoustic Intumescent Sealant to a min. depth of 10mm.
5) Maintain a record of the installation.

## 200mm Dia. COMBUSTIBLE PIPES IN RIGID FLOOR WRAP APPLIED AND SEALED FROM ABOVE




PP PIPE
200mm O/A DIA.
18.2mm WALL THICKNESS
EI 120
4.9mm WALL THICKNESS
EI 240

HDPE PIPE
200mm O/A DIA.
4.9mm - 18.2mm WALL THICKNESS
EI 240

PVC PIPE
200mm O/A DIA.
9.6mm WALL THICKNESS
EI 120
7.7mm WALL THICKNESS
EI 60

TABLE 1:

| Pipe Size (mm) | Wrap Thickness | Layers |
|---|---|---|
| 32-49 | 40mm (W) x 2mm (T) | 1 |
| 50-82 | 40mm (W) x 4mm (T) | 2 |
| 83-115 | 40mm (W) x 6mm (T) | 3 |
| 116-150 | 40mm (W) x 8mm (T) | 4 |
| 151-200 | 40mm (W) x 10mm (T) | 5 |
| 201-250 | 40mm (W) x 12mm (T) | 6 |



## ROCKWOOL Standard Detail:

Supporting Test Data : CF5579

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

All service items should be adequately supported either side of the seal.

This detail is to be read in conjunction with the ROCKWOOL FIREPRO Intumescent Pipewrap Roll data sheet specific installation instructions.

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

Refer to Table 1 for number or Pipewrap Roll layers.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 240 Minutes | Up to 240 Minutes |

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Drawing Title:
FirePro Intumescent Pipe Wrap Roll
Combustibles Pipe Penetrations - Floor single sided

| Scale: | Date: | |
|---|---|---|
| NTS | MARCH 18 | |
| Sheet Size: A3 | Drawn By: RW TECH | Checked By: R.WAKEFIELD |
| Drawing Number: SD-182-RDW | | Revision: B |

SECTION THROUGH FLEXIBLE WALL WITH COMBUSTIBLE PIPE PENETRATION WITH WRAP ON A ROLL

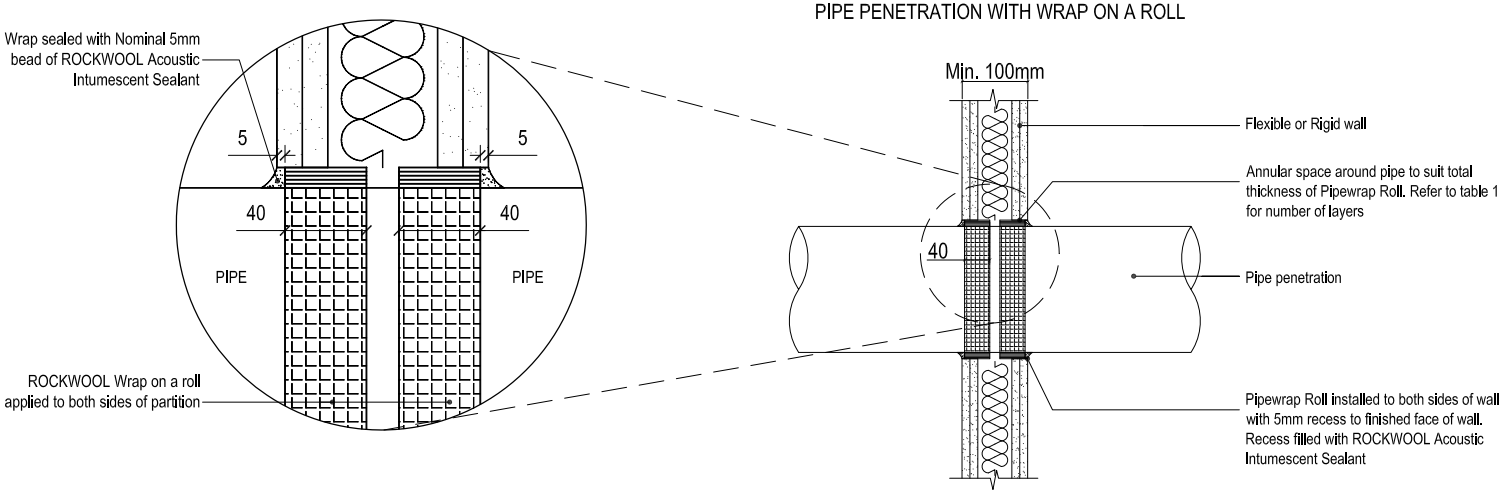


TABLE 1:

| ROCKWOOL Pipe Wrap Roll to both sides of flexible or ridgid wall (Min 100mm thick) | | | | |
|---|---|---|---|---|
| Pipe Material | Pipe Size & Wall Thickness (mm) | Wrap Layers | Annulus (mm) | Classification |
| PVC | 32 - 50 O/A Dia - 1.8mm Wall | 1 No. 40mm (W) x 2mm (T) | 4 | EI 120 |
| PVC | 160 O/A Dia - 6.2 - 9.5mm Wall | 4 No. 40mm (W) x 2mm (T) | 10 | EI 90 |
| PVC | 200 O/A Dia. 7.7 - 9.6mm Wall | 5 No. 40mm (W) x 2mm(T) | 12 | EI120 |
| PP | 32 - 50 O/A Dia. - 2.9mm Wall | 1 No. 40mm (W) x 2mm (T) | 4 | EI 120 |
| PP | 160 O/A Dia - 4mm Wall | 5 No. 40mm (W) x 2mm (T) | 10 | E 120 (EI90) |
| PP | 160 O/A Dia - 14.6mm Wall | 45No. 40mm (W) x 2mm (T) | 10 | EI 120 |
| PP | 200 O/A Dia. - 4.9mm Wall | 5 No. 40mm (W) x 2mm(T) | 12 | E 120 (EI90) |
| PP | 200 O/A Dia. - 18.2mm Wall | 5 No. 40mm (W) x 2mm(T) | 12 | EI 120 |
| PP | 250 O/A Dia. - 10.1mm Wall | 6 No. 40mm (W) x 2mm(T) | 14 | E 120 |
| PE | 32 - 50 O/A Dia. - 2.9mm Wall | 1 No. 40mm (W) x 2mm (T) | 4 | EI 120 |
| PE | 160 O/A Dia - 9.5mm Wall | 4 No. 40mm (W) x 2mm (T) | 10 | EI 90 |
| PP | 200 O/A Dia. - 18.4mm Wall | 5 No. 40mm (W) x 2mm(T) | 12 | EI 120 |

INSTALLATION NOTES

1) Check that pipe surface and substrate are clean and clear of any debris.
2) Ensure the correct number of layers of wrap as detailed in Table 1 or refer to data sheet.
3) Install the wrap into the wall recessed by 5mm from the face of the wall.
4) Fill the annular space with Rockwool® FirePro® Acoustic Intumescent Sealant to seal off the 5mm gap to the edge of the substrate.
5) Maintain a record of the installation.

**ROCKWOOL Standard Detail:**

Supporting Test Data : CF5579

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

All service items should be adequately supported either side of the seal.

This detail is to be read in conjunction with the ROCKWOOL FIREPRO Intumescent Pipewrap Roll data sheet specific installation instructions.

Refer to Table 1 for number or Pipewrap Roll layers.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 120 Minutes | Up to 120 Minutes |

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Drawing Title:
FirePro Intumescent Pipe Wrap Roll
Combustibles Pipe Penetrations - Flexible Wall

| Scale: | Date: | |
|---|---|---|
| NTS | MARCH 18 | |
| Sheet Size: A3 | Drawn By: RW TECH | Checked By: R.WAKEFIELD |
| Drawing Number: SD-185-RDW | | Revision: B |

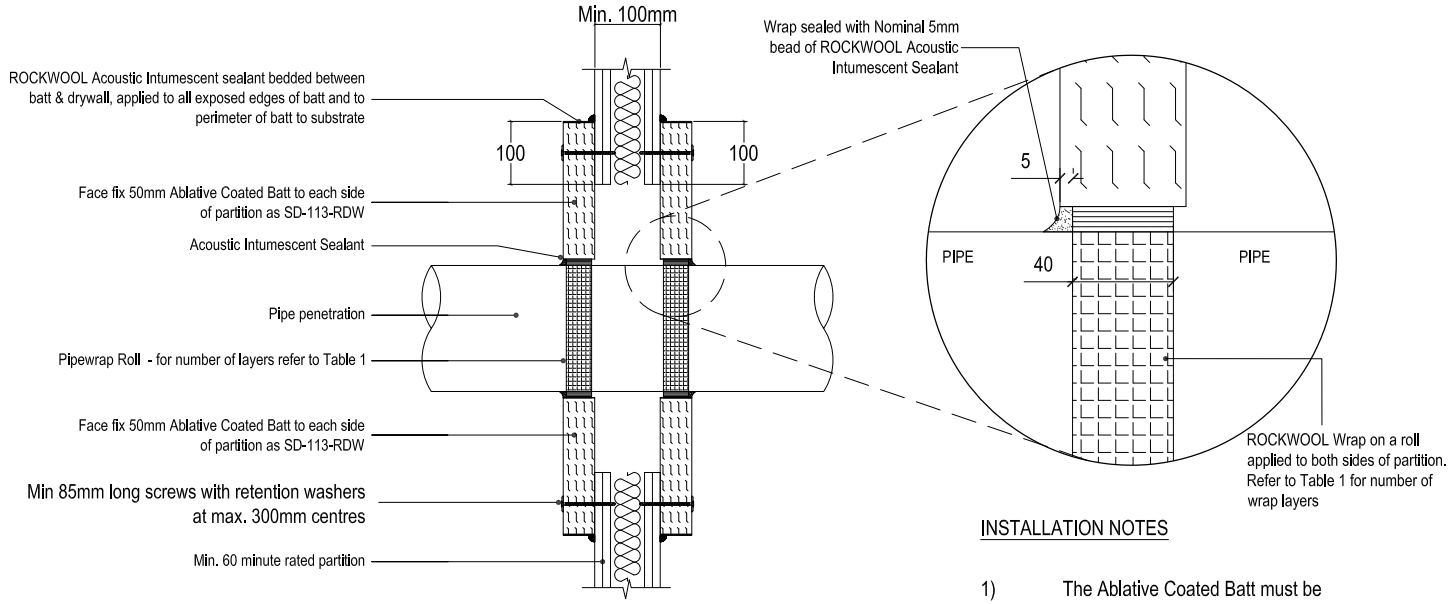


TABLE 1:

| ROCKWOOL Pipe Wrap Roll in 50mm thick face fixed batt | | | | |
|---|---|---|---|---|
| Pipe Material | Pipe Size & Wall Thickness (mm) | Wrap Layers | Annulus (mm) | Classification |
| PVC | 32 - 50 O/A Dia. - 1.8mm Wall | 1 No. 40mm (W) x 2mm (T) | 4 | EI 60 |
| PVCu | 50 O/A Dia. - 3.7mm Wall | 1 No. 40mm (W) x 2mm (T) | 4 | EI 60 |
| PVC | 160 O/A Dia. - 6.2 - 9.5mm Wall | 4 No. 40mm (W) x 2mm (T) | 10 | EI 60 |
| PVC | 200 O/A Dia. - 7.7 - 9.6mm Wall | 5 No. 40mm (W) x 2mm(T) | 12 | EI 60 |
| PP | 32 - 50 O/A Dia. - 2.9 - 6.9mm Wall | 1 No. 40mm (W) x 2mm (T) | 4 | EI 60 |
| PP | 160 O/A Dia. - 4 - 14.6mm Wall | 4 No. 40mm (W) x 2mm (T) | 10 | EI 60 |
| PP | 200 O/A Dia. - 4.9 - 18.2mm Wall | 5 No. 40mm (W) x 2mm(T) | 12 | EI 60 |
| PP | 250 O/A Dia. - 10.1mm Wall | 6 No. 40mm (W) x 2mm(T) | 14 | EI 60 |
| PE | 32 - 50 O/A Dia. - 2.9 - 4.6mm Wall | 1 No. 40mm (W) x 2mm (T) | 4 | EI 60 |
| PE | 160 O/A Dia. - 6.2 - 9.5mm Wall | 4 No. 40mm (W) x 2mm (T) | 10 | EI 60 |
| PE | 200 O/A Dia. - 4.9 - 18.4mm Wall | 5 No. 40mm (W) x 2mm(T) | 12 | EI 60 |

INSTALLATION NOTES

1) The Ablative Coated Batt must be installed with ROCKWOOL Acoustic Intumescent Sealant bedded between the batt and the substrate. A fillet of mastic must also be installed to the perimeter of the batt against the substrate. The exposed edge of batt is to be buttered with a even layer of Acoustic Intumescent Sealant.
2) The Ablative Coated Batt must be fixed with 85mm long drywall screws and retention washer at max 300mm centres. The batt must overlap the formed opening in the partition by Min. 100mm. (Max. opening 1200mm x 1200mm) Install the wrap into the wall recessed by 5mm from the face of the wall.
3) Check that pipe surface and substrate are clean and clear of any debris.
4) Ensure the correct number of layers of wrap as detailed in Table 1 or refer to data sheet.
5) Maintain a record of the installation.



## ROCKWOOL Standard Detail:

Supporting Test Data : CF5579

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

All service items should be adequately supported either side of the seal.

This detail is to be read in conjunction with the ROCKWOOL FIREPRO Intumescent Pipewrap Roll data sheet specific installation instructions. For pipe O/A diameters and pipe wall thickness that fall outside of the those indicated in Table 1 please consult ROCKWOOL Technical.

Refer to Table 1 for number or Pipewrap Roll layers.

This detail is to be read in conjunction with SD-111-RDW & SD-113-RDW - Face Fix Details.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| 60 Minutes | 60 Minutes |

ROCKWOOL

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Drawing Title:
FirePro Intumescent Pipe Wrap Roll
Combustibles Pipe Penetrations - Face Fix Batt Seal

| Scale: | Date: | |
|---|---|---|
| NTS | MARCH 18 | |
| Sheet Size: A3 | Drawn By: RW TECH | Checked By: R.WAKEFIELD |
| Drawing Number: SD-188-RW | | Revision: C |

INSTALLATION NOTES

1) Check that pipe surface and substrate are clean and clear of any debris.
   Ensure the correct number of layers of wrap as detailed in Table 1 or refer to data sheet. Apply wrap onto insulated pipe penetration.
2) The Ablative Coated Batt must be installed with ROCKWOOL Acoustic Intumescent Sealant bedded between the batt and the substrate. A fillet of mastic must also be installed to the perimeter of the batt against the substrate. The exposed edge of batt is to be buttered with a even layer of Acoustic Intumescent Sealant.
3) The Ablative Coated Batt must be fixed with 85mm long drywall screws and 25mm retention washer at max 300mm centres. The batt must overlap the formed opening in the partition by Min. 100mm. (Max. opening 1200mm x 1200mm)
4) Point the wrap with ROCKWOOL Acoustic Intumescent Sealant
5) Maintain a record of the installation.

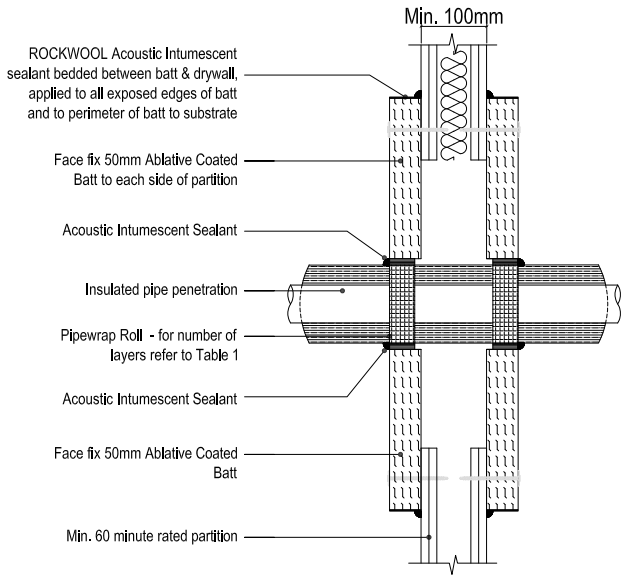


TABLE 1:

| Pipe Material | Pipe Size / Wall / Insulation | | | Wrap Layers | Classification | |
|---|---|---|---|---|---|---|
| | Pipe Size (mm) | Wall Thickness (mm) | Insulation Type / Size (mm) | | Integrity | Insulation |
| Steel or Copper | 42 - 159 | 1.2 - 14.2 | 13 - 25 Elastomeric | 2 No. 40mm (w) x 2mm (t) | 120 | 60 |
| Steel or Copper | 42 - 159 | 1.2 - 14.2 | 25 Elastomeric | 2 No. 40mm (w) x 2mm (t) | 120 | 90 |
| Steel or Copper | 42 | 1 - 14.2 | 13 - 25 Elastomeric | 2 No. 40mm (w) x 2mm (t) | 120 | 120 |
| Steel or Copper | 42 - 108 | 1.2 - 14.2 | 25 - 40 Phenolic | 2 No. 40mm (w) x 2mm (t) | 120 | 90 |
| Steel or Copper | 42 | 1 - 14.2 | 25 - 40 Phenolic | 2 No. 40mm (w) x 2mm (t) | 120 | 120 |
| Steel or Copper | 42 | 1.2 - 14.2 | 50 (30kg/m$^3$) Glassfibre | 2 No. 40mm (w) x 2mm (t) | 120 | 90 |
| Steel or Copper | 42 - 159 | 1.2 - 14.2 | 25 (30kg/m$^3$) Foil faced Glassfibre | 2 No. 40mm (w) x 2mm (t) | 120 | 90 |
| Steel or Copper | 42 | 1.2 - 14.2 | 25 (30kg/m$^3$) Foil faced Glassfibre | 2 No. 40mm (w) x 2mm (t) | 120 | 120 |

## ROCKWOOL Standard Detail:

Supporting Test Data : CF5579

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

All service items should be adequately supported either side of the seal.

This detail is to be read in conjunction with the ROCKWOOL FIREPRO Intumescent Pipewrap Roll data sheet specific installation instructions. For pipe O/A diameters, pipe wall thickness and insulation thickness that fall outside of the those indicated in Table 1 please consult ROCKWOOL Technical.

Refer to Table 1 for number or Pipewrap Roll layers.

This detail is to be read in conjunction with SD-111-RDW & SD-113-RDW - Face Fix Details.

ROCKWOOL RockLap H&V pipe section can be used to replace combustible insulation on metal pipes as it passes through the seal.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 120 Minutes | Up to 120 Minutes |

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Drawing Title:
FirePro Intumescent Pipe Wrap Roll
Insulated pipe penetrations - Face Fix Batt Seal

| Scale: | Date: | |
|---|---|---|
| NTS | May 18 | |
| Sheet Size: A3 | Drawn By: RW TECH | Checked By: R.WAKEFIELD |
| Drawing Number: SD-190-RDW | | Revision: B |

INSTALLATION NOTES

1) Check that pipe surface and substrate are clean and clear of any debris.
Ensure the correct number of layers of wrap as detailed in Table 1 or refer to data sheet. Apply wrap onto insulated pipe penetration.
2) The Ablative Coated Batt must be installed with ROCKWOOL Acoustic Intumescent Sealant to all edges of batt in contact with the substrate and all batt to batt joints. A fillet of mastic must also be installed to the perimeter of the batt against the substrate.
3) Point the wrap with ROCKWOOL Acoustic Intumescent Sealant
4) Maintain a record of the installation.

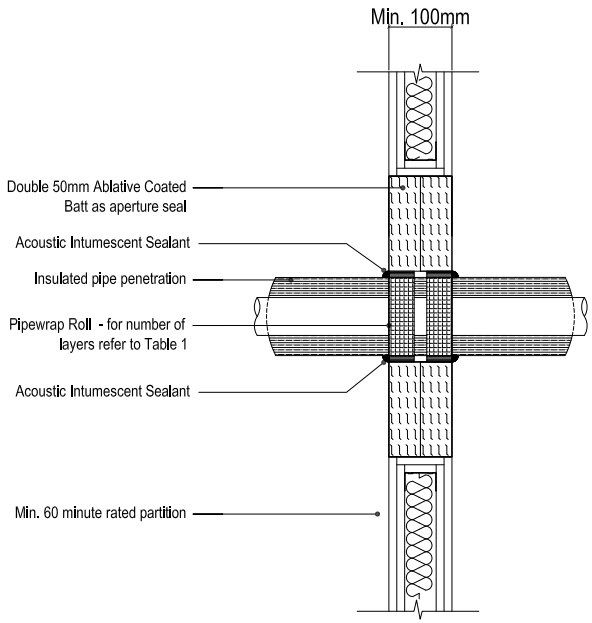


TABLE 1:

| Pipe Material | Pipe Size / Wall / Insulation | | | Wrap Layers | Classification | |
|---|---|---|---|---|---|---|
| | Pipe Size (mm) | Wall Thickness (mm) | Insulation Type / Size (mm) | | Integrity | Insulation |
| Steel or Copper | 42 - 159 | 1.2 - 14.2 | 13-25 Elastomeric | 2 No. 40mm (w) x 2mm (t) | 120 | 60 |
| Steel or Copper | 42 | 1 - 14.2 | 13-25 Elastomeric | 2 No. 40mm (w) x 2mm (t) | 120 | 90 |
| Steel or Copper | 42 - 108 | 1.2 - 14.2 | 25 - 40 Phenolic | 2 No. 40mm (w) x 2mm (t) | 120 | 60 |
| Steel or Copper | 42 | 1.2 - 14.2 | 50 Glass Fibre | 2 No. 40mm (w) x 2mm (t) | 120 | 90 |

| Pipe Material | Pipe Size / Wall / Insulation | | | Wrap Layers | Classification | |
|---|---|---|---|---|---|---|
| | Pipe Size (mm) | Wall Thickness (mm) | Insulation Type / Size (mm) | | Integrity | Insulation |
| Pvc | 40 | 1.9 | 25 Phenolic | 3 No. 40mm (w) x 2mm (t) | 120 | 90 |
| Pvc | 40 | 3 | 13 Phenolic | 3 No. 40mm (w) x 2mm (t) | 120 | 120 |
| Pvc | 110 | 4.2 | 25 Phenolic | 5 No. 40mm (w) x 2mm (t) | 120 | 90 |
| Pvc | 110 | 6.6 | 20 Phenolic | 5 No. 40mm (w) x 2mm (t) | 120 | 90 |
| Pvc | 40 | 1.9 | 32 Elastomeric | 3 No. 40mm (w) x 2mm (t) | 120 | 90 |
| PVC | 40 | 3 | 9 Elastomeric | 3 No. 40mm (w) x 2mm (t) | 120 | 90 |
| PVC | 110 | 4.2 | 32 Elastomeric | 5 No. 40mm (w) x 2mm (t) | 120 | 120 |
| PVC | 110 | 6.6 | 13 Elastomeric | 5 No. 40mm (w) x 2mm (t) | 120 | 90 |



## ROCKWOOL Standard Detail:

Supporting Test Data : CF5579

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

All service items should be adequately supported either side of the seal.

This detail is to be read in conjunction with the ROCKWOOL FIREPRO Intumescent Pipewrap Roll data sheet specific installation instructions. For pipe O/A diameters, pipe wall thickness and insulation thickness that fall outside of the those indicated in Table 1 please consult ROCKWOOL Technical.

Refer to Table 1 for number or Pipewrap Roll layers.

This detail is to be read in conjunction with SD-112-RDW & SD-122-RDW - Aperture Seal.

ROCKWOOL RockLap H&V pipe section can be used to replace combustible insulation on metal pipes as it passes through the seal.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 120 Minutes | Up to 120 Minutes |

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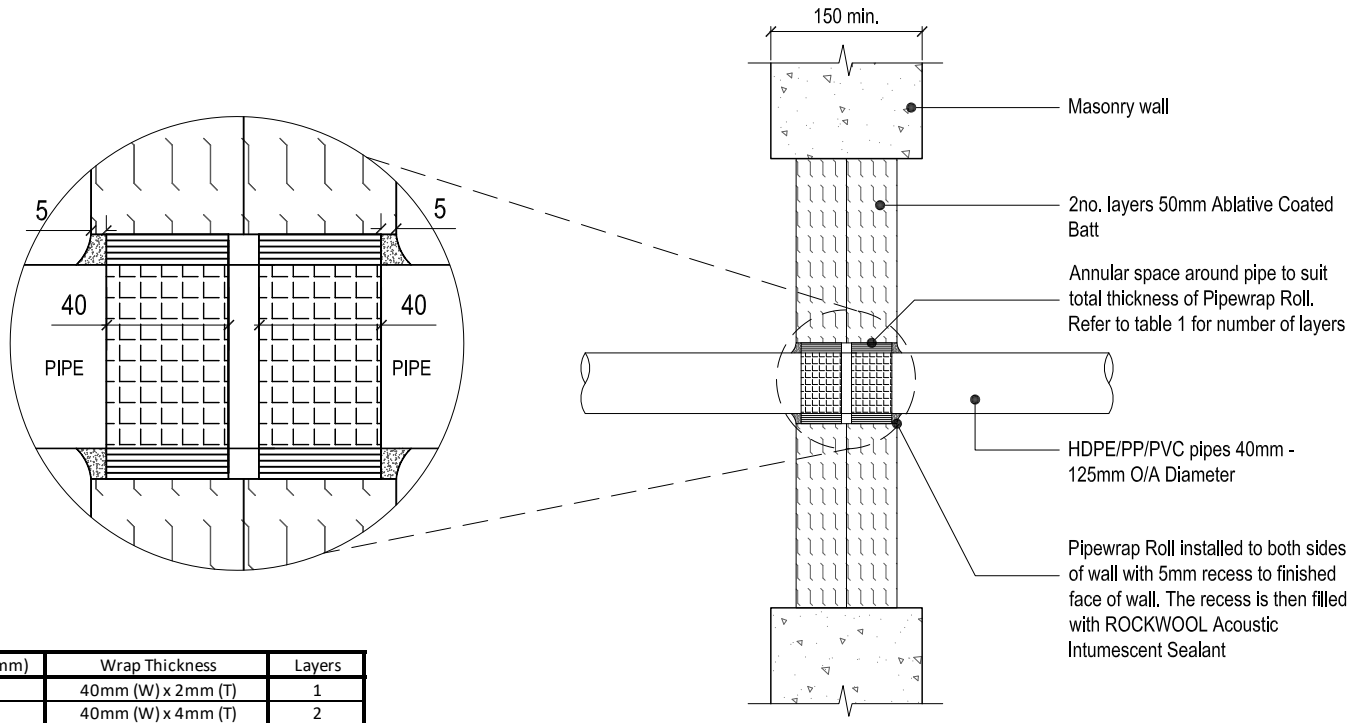
Drawing Title:
FirePro Intumescent Pipe Wrap Roll
Insulated pipe penetrations - Aperture Seal

| Scale: | Date: | |
|---|---|---|
| NTS | May 18 | |
| Sheet Size: A3 | Drawn By: RW TECH | Checked By: R.WAKEFIELD |
| Drawing Number: SD-191-RDW | | Revision: B |




SECTION THROUGH MASONRY WALL WITH COMBUSTIBLE PIPE PENETRATION WITH PIPEWRAP ROLL

TABLE 1:

| Pipe Size (mm) | Wrap Thickness | Layers |
|---|---|---|
| 32-50 | 40mm (W) x 2mm (T) | 1 |
| 51-82 | 40mm (W) x 4mm (T) | 2 |
| 83-115 | 40mm (W) x 6mm (T) | 3 |
| 116-150 | 40mm (W) x 8mm (T) | 4 |
| 151-200 | 40mm (W) x 10mm (T) | 5 |
| 201-250 | 40mm (W) x 12mm (T) | 6 |

INSTALLATION NOTES

1) Check that pipe surface and substrate are clean and clear of any debris.
2) Install the 2 No. layers of ablative batts in accordance with installation guidelines.
3) Ensure the correct number of layers of wrap as detailed in Table 1 or refer to data sheet.
4) Install the wrap into the Ablative Coated batt recessed by 5mm from the face of the wall.
5) Fill the annular space with Rockwool® FirePro® Acoustic Intumescent Sealant to seal off the 5mm gap to the edge of the substrate.
6) Maintain a record of the installation.



## ROCKWOOL Standard Detail:

Supporting Test Data : WF 405625 (BS EN 1366-3)

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

All service items should be adequately supported either side of the Firestop to ensure that no permanent load is transferred onto the coated batt.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

| Integrity Performance: | Insulation Performance: |
|---|---|
| 120 minutes | 120 minutes |

ROCKWOOL®
Pencoed, Bridgend,
South Wales CF35 6NY
t: 01656 868490
email: technical.solutions@rockwool.co.uk

Drawing Title:
Pipewrap Roll - Combustible Pipes
Double batt aperture seal

| Scale: | Date: | |
|---|---|---|
| NTS | Feb 19 | |
| Sheet Size: A3 | Drawn By: S. HIRONS | Checked By: L.HAM |
| Drawing Number: SD-192-RDW | | Revision: A |

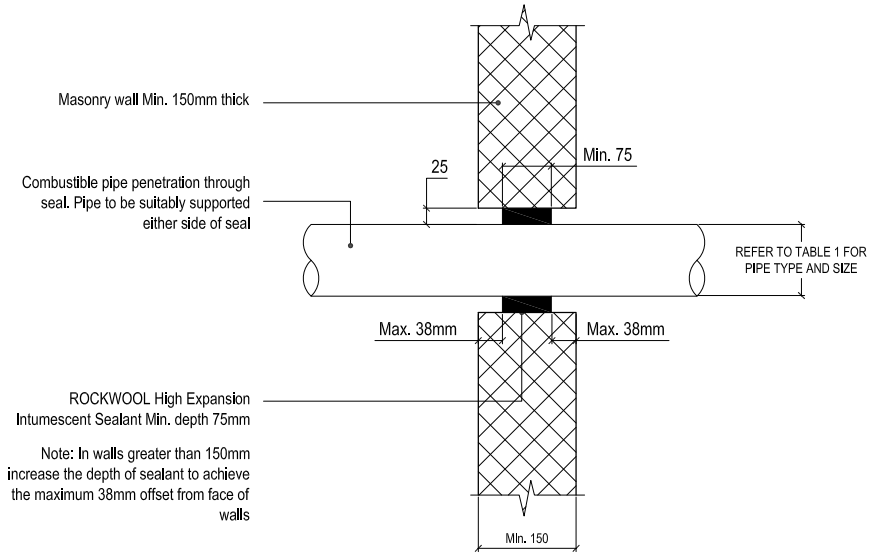
INSTALLATION NOTES

1. Make sure that the area within the aperture is clean of any debris and remove any dust from the edges.

2. Apply Rockwool High Pressure Intumescent Sealant to the required 75 mm depth floor slab. The annular gap around the pipe should be 25 mm. The maximum offset from face of wall or underside of slab is to be Max. 38mm. For thicker walls increase depth of sealant as required.

For wall seals in walls with thickness of 100mm - 125mm the fire resistance rating is reduced to 60 minutes.

For details on fire stopping cable penetrations please contact ROCKWOOL Technical

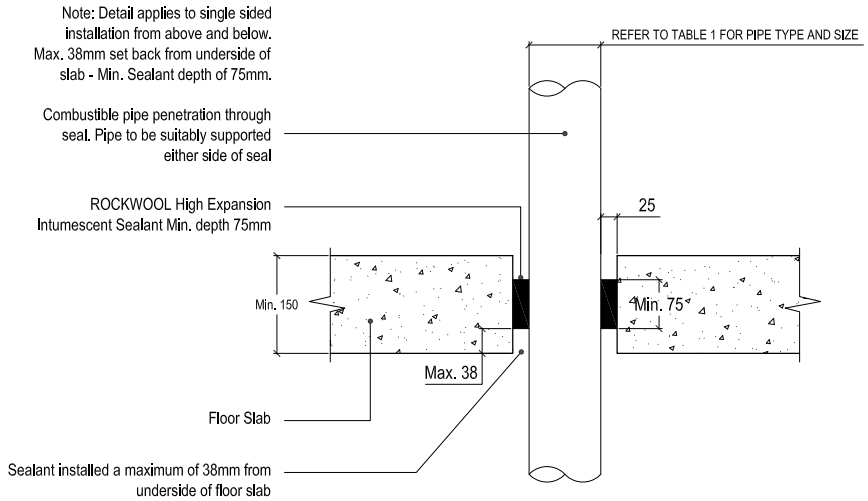



For 100mm - 125mm masonry walls the fire resistance rating is reduced to 60 minutes

Table 1: Range of pipes for use in horizontal and vertical seals with High Expansion Intumescent Sealant

| Pipe Material | Pipe Diamter (mm) | Wall Thickness (mm) | Fire Perfromance | |
|---|---|---|---|---|
| | | | Integrity | Insulation |
| PP. MDPE, HDPE, UPVC, ABS, muPVC | 32 | 2.3 - 3.5 | 90 | 90 |
| PP. MDPE, HDPE, UPVC, ABS, muPVC | 48 - 55 | 3.0 - 5.2 | 90 | 90 |
| PP. MDPE, HDPE, UPVC, | 68 - 110 | 3.0 - 5.2 | 90 | 90 |

(Reduced rating to EI 60/60 for masonry walls 100mm - 125mm thick)




**Standard Detail: PVC & HDPE pipes through a concrete floor with High Pressure Intumescent Sealant**

Supporting Test Data : IFC PAR 12482 -02

All pipes shall be supported either side of the compartment floor or wall within 300mm of the construction element.

All surfaces must be thoroughly cleaned and free of bond breaking contaminants prior to application of the sealant.

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

Contact ROCKWOOL Technical for details on cable penetrations.

*These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490*

| Integrity Performance | Insulation Performance |
|---|---|
| Up to 90 Minutes | Up to 90 Minutes |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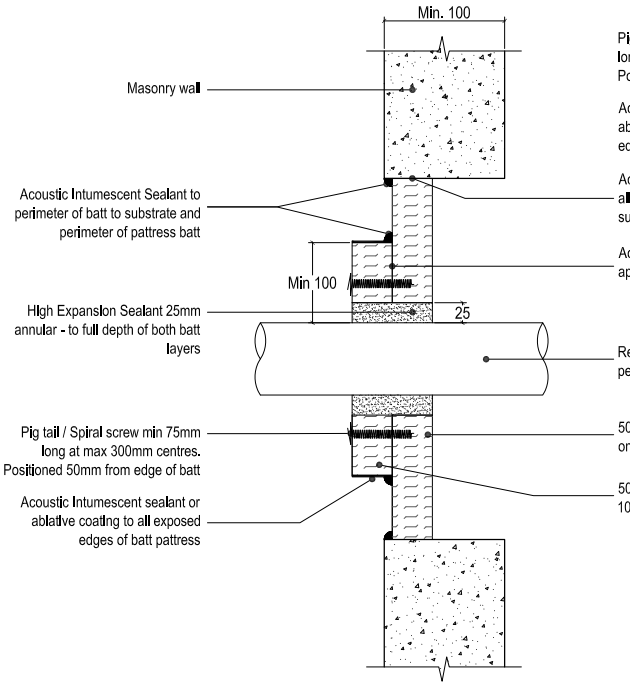
Client

Project Title

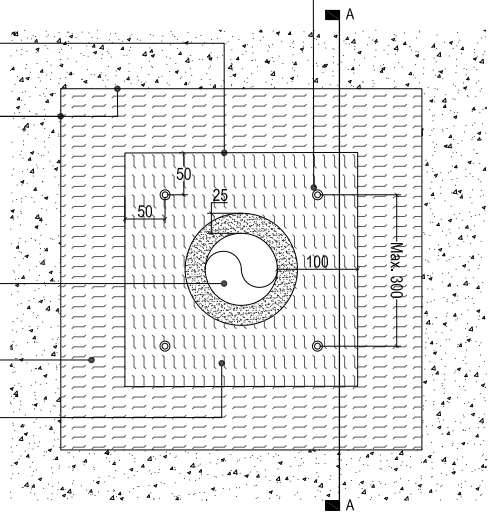
Drawing Title

High Expansion Intumescent Sealant for plastic pipes passing through a concrete floor & wall

| Scale | Date |
|---|---|
| NTS | 20.10.17 |
| Sheet Size | Drawn By |
| | ROCKWOOL TECH |
| Drawing Number | Rev. |
| SD-105-RDW | B |




SECTION A-A
SINGLE SIDED BATT SEAL WITH PATTRESS - HIGH EXPANSION SEALANT (Max aperture 1200 x 600mm)




ELEVATION OF SINGLE SIDED BATT SEAL WITH PATTRESS - HIGH EXPANSION SEALANT (Max aperture 1200 x 600mm)

TABLE 1 - SERVICE PENETRATIONS

| Pipe Material | Pipe Diameter (mm) | Wall Thickness (mm) | Fire Perfromance | |
|---|---|---|---|---|
| | | | Integrity | Insulation |
| PP, MDPE, HDPE, UPVC, ABS, mUPVC | 32 - 55 | 2.3 - 5.2 | 60 | 60 |
| PP, MDPE, HDPE, UPVC | 68 - 110 | 3.0 - 5.2 | 60 | 60 |
| Cable trays up to 450 x 25mm with max. 50mm cable bundle | | | 60 | 60 |
| Continuous conduits up to 25mm Dia | | | 60 | 60 |
| Cat 5 Data cables up to 100mm Dia. bundle | | | 60 | 60 |
| Multicore cables up to 23mm Dia. | | | 60 | 60 |

NOTES:

- Max aperture of 1200mm x 600mm
- The face of pattress batt in contact with main /first layer batt is to receive Acoustic Intumescent Sealant
- The pattress batt is to be installed with staggered joints to the aperture batt layer
- Pattress layer to extend at least 100mm in all directions from largest service penetration
- Pigtail/spiral screws to be Min. 75mm long
- If the pattress batt is installed in pieces each piece is to receive 4 No. pigtail/spiral screws
- High Expansion Sealant to be installed with a consistent density to full depth of both batt layers with min. 25mm annular space around penetration



## ROCKWOOL Standard Detail:

Supporting Test Data : IFC 12482_02

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop. For plasterboard walls please contact ROCKWOOL Technical.

All service items should be adequately supported either side of the seal.

The size and depth of sealant applied to the penetration annular space must be within those identified in this detail and product data sheet.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| 60 Minutes | 60 Minutes |

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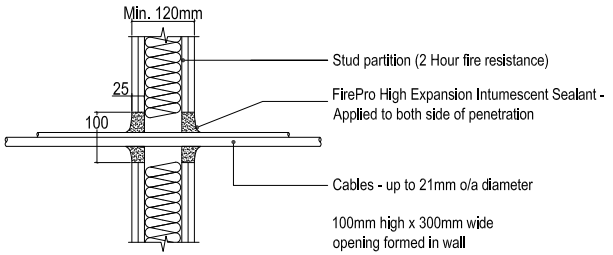
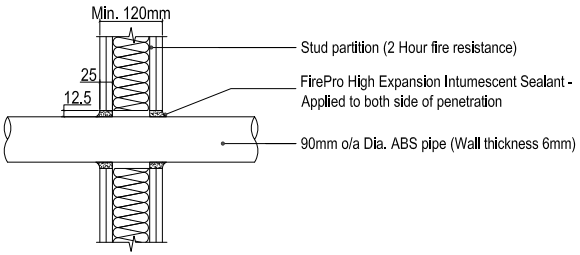
t: 01656 868490
technical.solutions@rockwool.co.uk

Drawing Title:
FirePro High Expansion Intumescent Sealant
Single Sided Installation In 50mm Ablative Batt/ Pattress

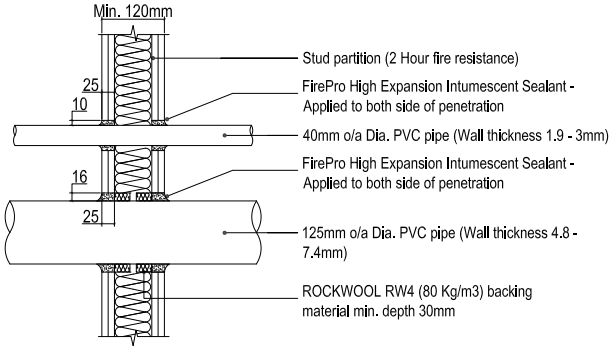
| Scale: | Date: | |
|---|---|---|
| NTS | 11.03.19 | |
| Sheet Size: | Drawn By: | Checked By: |
| A3 | RW TECH | R.WAKEFIELD |
| Drawing Number: | | Revision: |
| SD-178-RDW | | A |



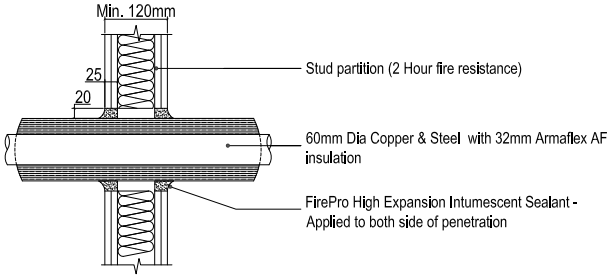

CABLES - EI 120



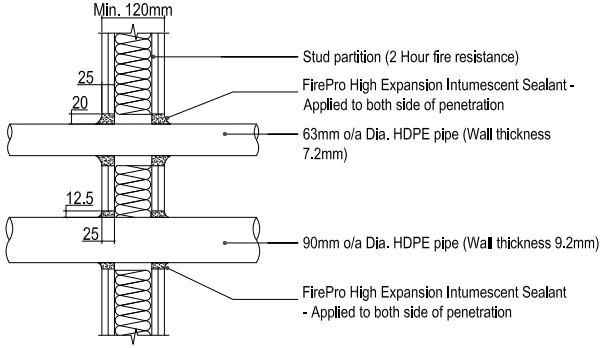

ABS PIPE - EI 120



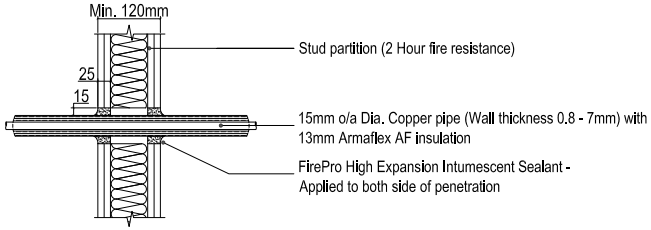

PVC PIPES - EI 120




COPPER/STEEL PIPE WITH 32mm ARMAFLEX CONTINUOUS INSULATION - E 120 / I 90




HDPE PIPES - EI 120




COPPER/STEEL PIPE WITH 13mm ARMAFLEX CONTINUOUS INSULATION - EI 120



## ROCKWOOL Standard Detail:

Supporting Test Data : ETA 15-0325

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop. Dry wall partitions should have a minimum of 2 layers of plasterboard on each face of the wall.

All service items should be adequately supported either side of the seal.

The size and depth of sealant applied to the penetration annular space must be within those identified in this detail and product data sheet.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 120 Minutes | Up to 120 Minutes |

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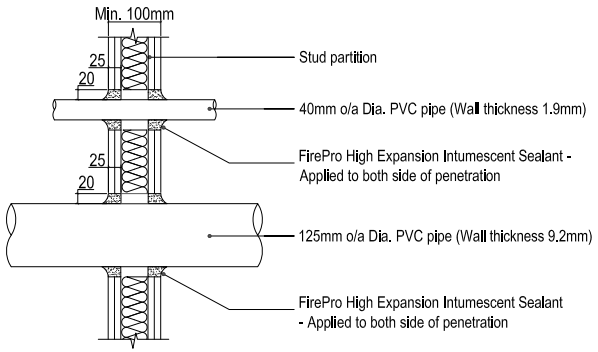
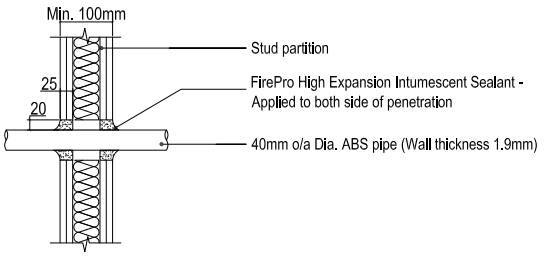
Pencoed, Bridgend,
South Wales CF35 6NY
t: 01656 868490
technical.solutions@rockwool.co.uk

Drawing Title:
FirePro High Expansion Intumescent Sealant Penetrations through 120mm Drywall

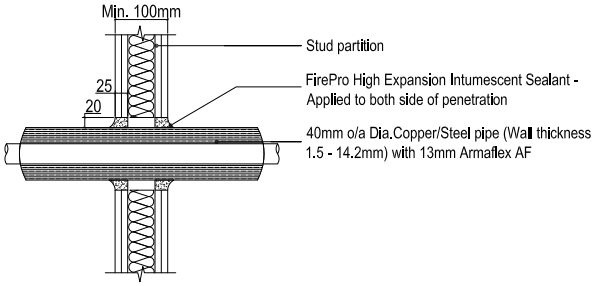
| Scale: | Date: | |
|---|---|---|
| NTS | 07.12.17 | |
| Sheet Size: A3 | Drawn By: RW TECH | Checked By: R.WAKEFIELD |
| Drawing Number: SD-170-RDW | | Revision: B |



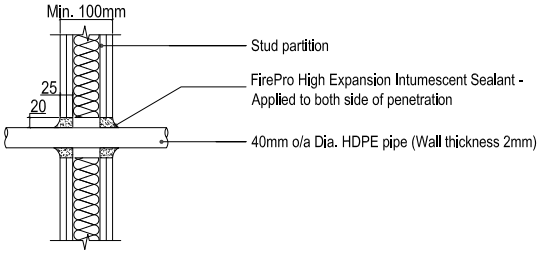

40mm PVC PIPE - EI 120
125mm PVC PIPE - EI 60



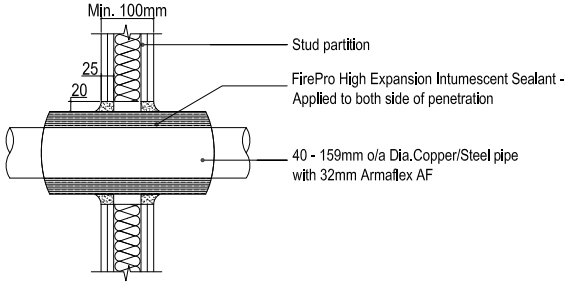

40mm ABS PIPE - EI 120




40mm COPPER/STEEL PIPE WITH 13mm ARMAFLEX CONTINUOUS INSULATION - E120 / EI 30




40mm HDPE PIPE - EI 120




40-159mm COPPER/STEEL PIPE WITH 32mm ARMAFLEX CONTINUOUS INSULATION - E120 / EI 30

## ROCKWOOL Standard Detail:

Supporting Test Data : ETA 15-0325

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop. Dry wall partitions should have a minimum of 2 layers of plasterboard on each face of the wall.

All service items should be adequately supported either side of the seal.

The size and depth of sealant applied to the penetration annular space must be within those identified in this detail and product data sheet.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 120 Minutes | Up to 120 Minutes |

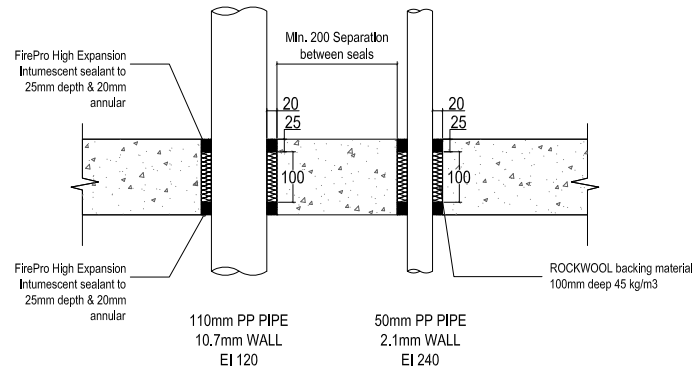
ROCKWOOL

Pencoed, Bridgend,
South Wales CF35 6NY
t: 01656 868490
technical.solutions@rockwool.co.uk

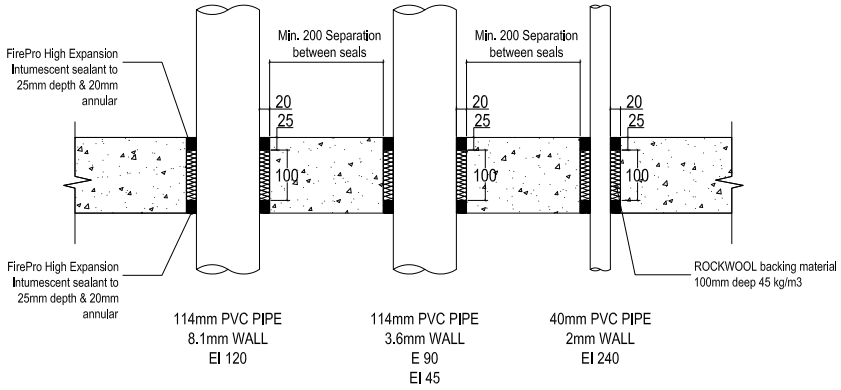
Drawing Title:
FirePro High Expansion Intumescent Sealant Penetrations through 100mm Drywall

| Scale: | Date: | |
|---|---|---|
| NTS | 05.06.18 | |
| Sheet Size: A3 | Drawn By: RW TECH | Checked By: R.WAKEFIELD |
| Drawing Number: SD-171-RDW | | Revision: B |

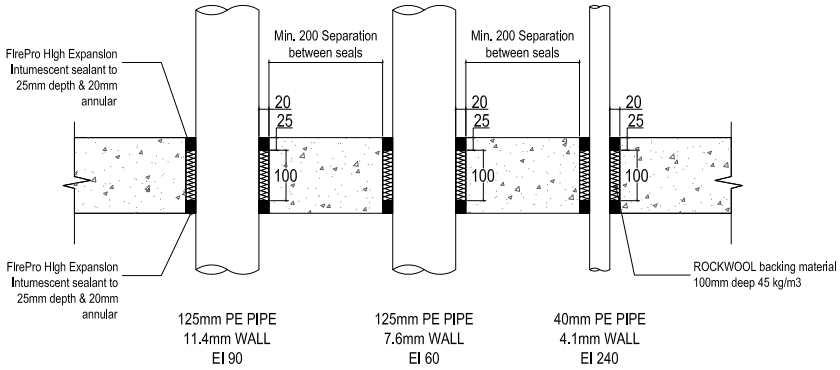
PP PIPES




PVC PIPES




PE PIPES






## ROCKWOOL Standard Detail:

Supporting Test Data : ETA 15-0325

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

All service items should be adequately supported either side of the seal.

The size and depth of sealant applied to the penetration annular space must be within those identified in this detail and product data sheet.

The sealant is to be applied above and below the floor slab.

Contact ROCKWOOL technical for information on service separations.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 240 Minutes | Up to 240 Minutes |

ROCKWOOL

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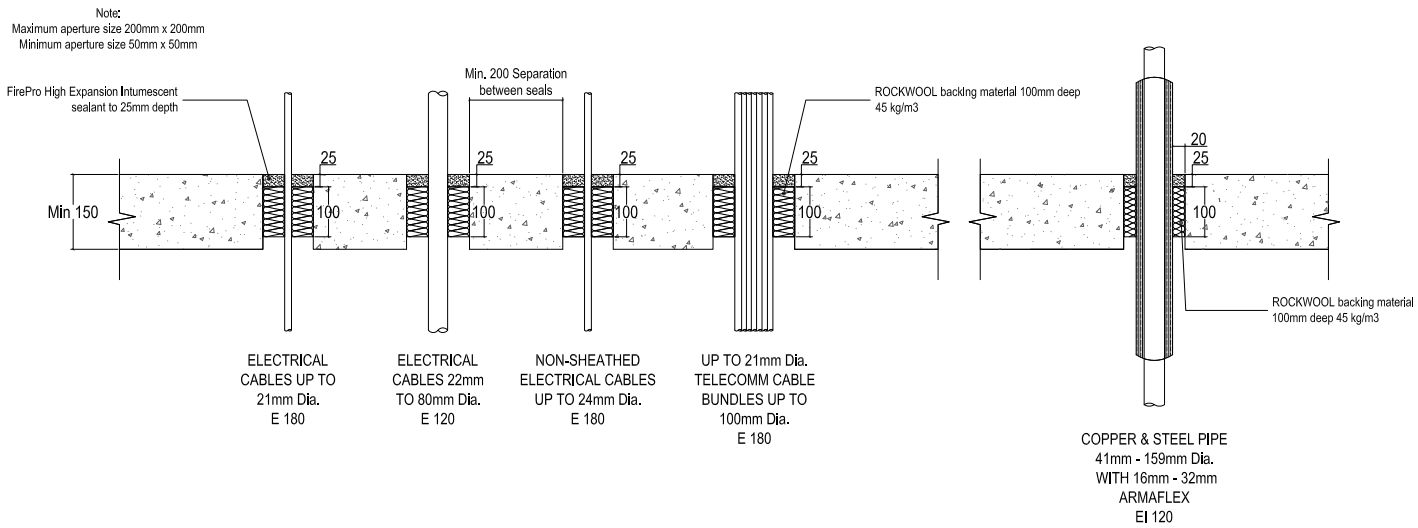
technical.solutions@rockwool.co.uk

Drawing Title:

FirePro High Expansion Intumescent Sealant Penetrations through floor (Double Sided)

| Scale: | Date: | |
|---|---|---|
| NTS | 07.12.17 | |
| Sheet Size: | Drawn By: | Checked By: |
| A3 | RW TECH | R.WAKEFIELD |
| Drawing Number: | | Revision: |
| SD-172-RDW | | A |

CABLE APPLICATION






## ROCKWOOL Standard Detail:

Supporting Test Data : ETA 15-0325

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

All service items should be adequately supported either side of the seal.

The size and depth of sealant applied to the penetration annular space must be within those identified in this detail and product data sheet.

The sealant is to be applied to top of floor slab with min 100mm depth of ROCKWOOL RWA45 backing material.

Contact ROCKWOOL technical for information on service separations.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to180 Minutes | Up to 60 Minutes |

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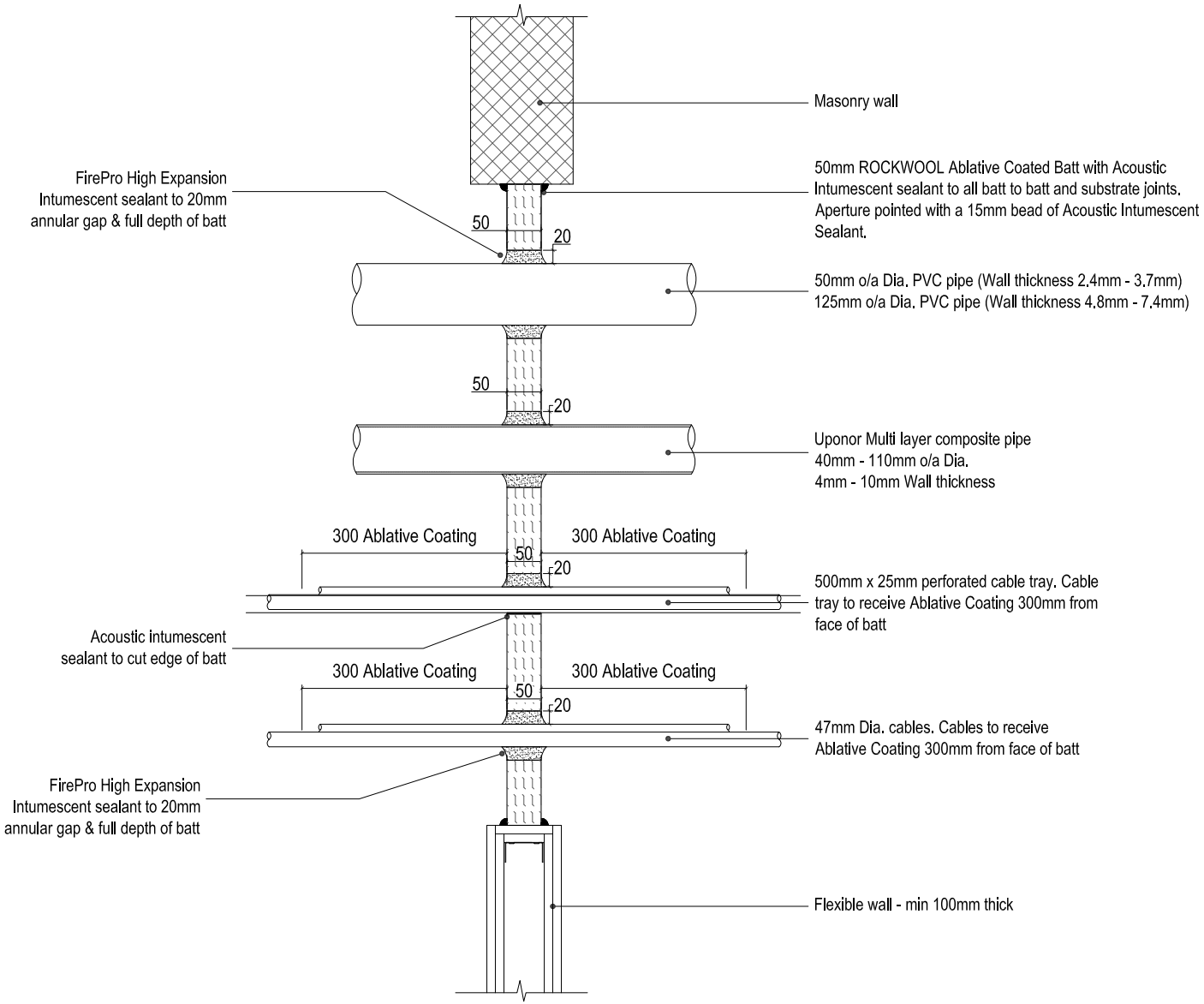
technical.solutions@rockwool.co.uk

Drawing Title:
FirePro High Expansion Intumescent Sealant Penetrations through floor (Single Sided Seal)

| Scale: | Date: | |
|---|---|---|
| NTS | May 18 | |
| Sheet Size: A3 | Drawn By: RW TECH | Checked By: R.WAKEFIELD |
| Drawing Number: SD-174-RDW | | Revision: B |






## ROCKWOOL Standard Detail:

Supporting Test Data : CF 5576

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

All service items should be adequately supported either side of the seal to ensure no load is transferred onto the coated batt.

The size and depth of sealant applied to the penetration annular space must be within those identified in this detail and product data sheet.

Contact ROCKWOOL technical for information on service separations.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| 30 Minutes | 30 Minutes |

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South Wales CF35 6NY
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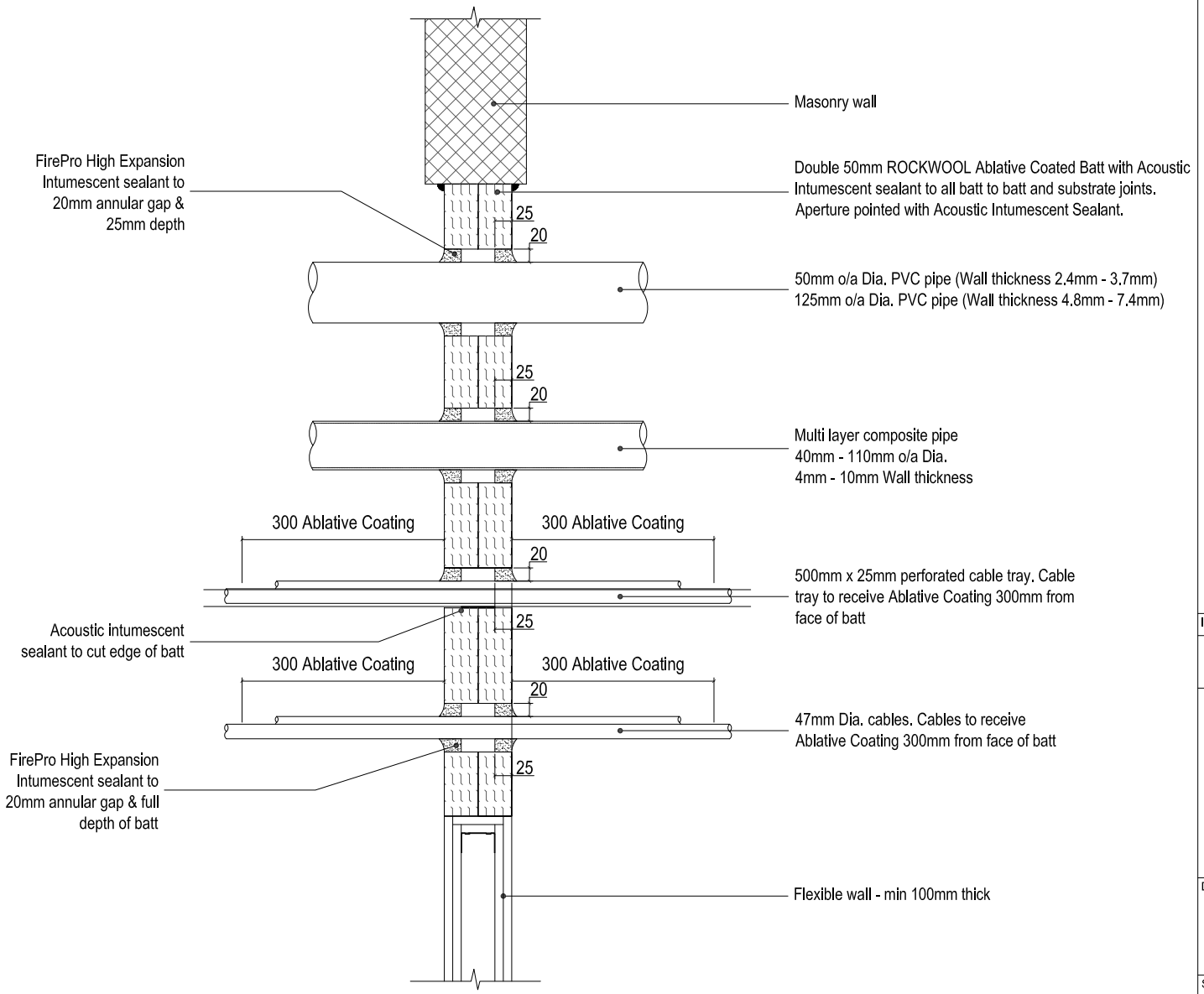
technical.solutions@rockwool.co.uk

Drawing Title:
FirePro High Expansion Intumescent Sealant
Penetrations through single layer 50mm coated batt

| Scale: | Date: | |
|---|---|---|
| NTS | 07.12.17 | |
| Sheet Size: A3 | Drawn By: RW TECH | Checked By: R.WAKEFIELD |
| Drawing Number: SD-175-RDW | | Revision: A |




**ROCKWOOL Standard Detail:**

Supporting Test Data : CF 5576

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

All service items should be adequately supported either side of the seal to ensure no load is transferred onto the coated batt.

The size and depth of sealant applied to the penetration annular space must be within those identified in this detail and product data sheet.

Contact ROCKWOOL technical for information on service separations.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| 120 Minutes | 120 Minutes |

ROCKWOOL®

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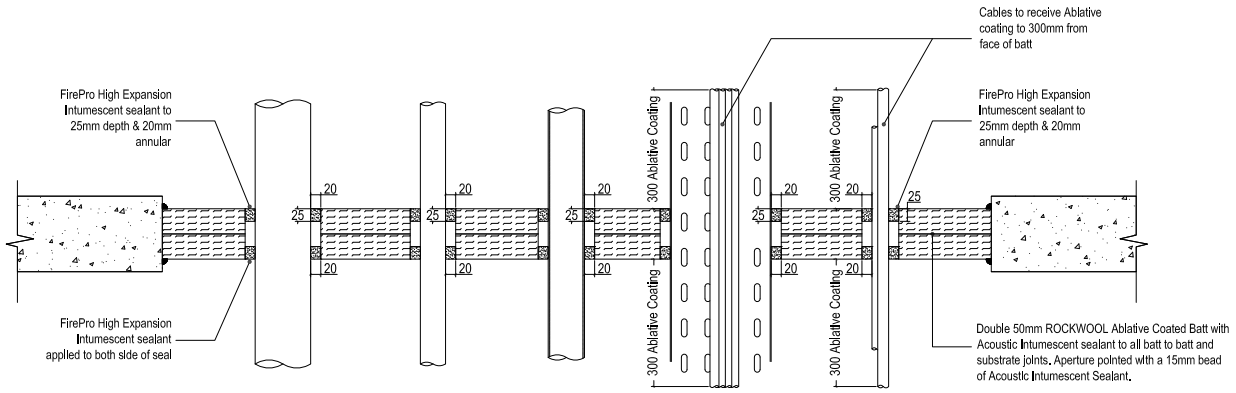
technical.solutions@rockwool.co.uk

Drawing Title:
FirePro High Expansion Intumescent Sealant Penetrations through double layer 50mm coated batt

| Scale: | Date: | |
|---|---|---|
| NTS | 07.12.17 | |
| Sheet Size: A3 | Drawn By: RW TECH | Checked By: R.WAKEFIELD |
| Drawing Number: SD-176-RDW | | Revision: A |




| PVC PIPE | PVC PIPE | UPONOR | PERFORATED CABLE | 47mm CABLES |
|---|---|---|---|---|
| 50mm dia - wall thickness 2.4 - 7.4mm to 125mm dia - wall thickness 4.8mm - 7.4mm EI 90 | 50mm dia - wall thickness 2.4 - 7.4mm to 125mm dia - wall thickness 7.4mm EI 120 | COMPOSITE PIPE 40-110mm O/A Dia. 4-10mm wall E 120 EI 60 | TRAY 500mm x 25mm EI 120 | EI 120 |

## ROCKWOOL Standard Detail:

Supporting Test Data : CF 5576

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

All service items should be adequately supported either side of the seal to ensure no load is transferred onto the coated batt.

The size and depth of sealant applied to the penetration annular space must be within those identified in this detail and product data sheet.

Contact ROCKWOOL technical for information on service separations.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 120 Minutes | Up to 120 Minutes |

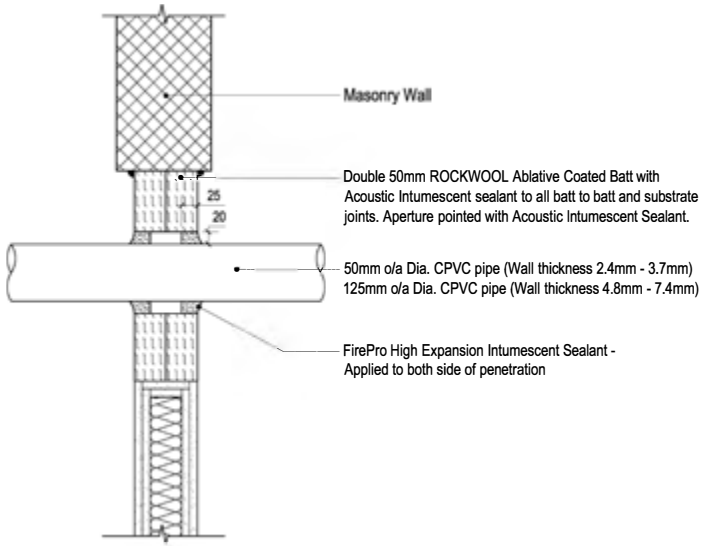
ROCKWOOL®
Pencoed, Bridgend,
South Wales CF35 6NY
t: 01656 868490
technical.solutions@rockwool.co.uk

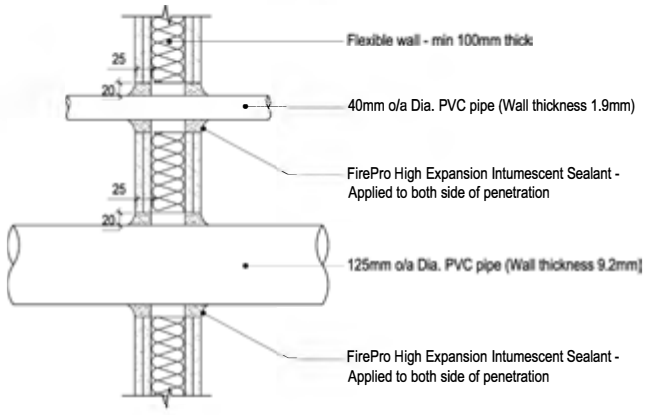
Drawing Title:
FirePro High Expansion Intumescent Sealant Floor Penetrations through double layer 50mm coated batt

| Scale: | Date: | |
|---|---|---|
| NTS | 07.12.17 | |
| Sheet Size: A3 | Drawn By: RW TECH | Checked By: R.WAKEFIELD |
| Drawing Number: SD-177-RDW | | Revision: A |

## INSTALLATION NOTES

1. Ensure the aperture is clean of any debris and remove any dust from the edges.
2. Cut the ROCKWOOL Ablative Coated Batt to the size and shape required to fill the aperture, ensuring the batt will make a tight fit with all edges of the aperture.
3. Cut circular holes in the Ablative Coated Batt to accommodate the pipe penetration.
4. Cut the Ablative Coated Batt across its entire width, from the centre-point of the circular hole, to enable the Ablative Coated Batt to be fitted into the aperture.
5. Apply ROCKWOOL Acoustic Intumescent Sealant to all edges of the Ablative Coated Batt, ensuring an even coating is achieved over the entire thickness of the batt. This should include the outer edges of the batt, and the edges of the cut made through the batt to allow fitting into the aperture. There is no requirement to apply Acoustic Intumescent Sealant to the to the edges of the hole cut to accommodate the CPVC pipe penetration.
6. Insert the Ablative Coated Batt into the aperture.
7. Apply a bead of ROCKWOOL Acoustic Intumescent Sealant, approx. 15mm wide, around the perimeter of the batt. Ensure all gaps between the Ablative Coated Batt and surrounding edges are fully filled.
8. Apply a bead of ROCKWOOL High Expansion Sealant, approx. 15mm wide, where the CPVC pipe passed through the batt. Ensure all gaps between the Ablative Coated Batt and CPVC pipes are fully filled.
9. Repeat step 7 and 8 on the other side of the Ablative Coated Batt seal.






**ROCKWOOL Standard Detail:**

Supporting Test Data : Lubrizol P1753860 / ETA 15/0325

The supporting structure must be capable of achieving the required 120 minutes Fire Rating as detailed within this drawing.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 120 Minutes | Up to 120 Minutes |

ROCKWOOL

Pencoed, Bridgend,
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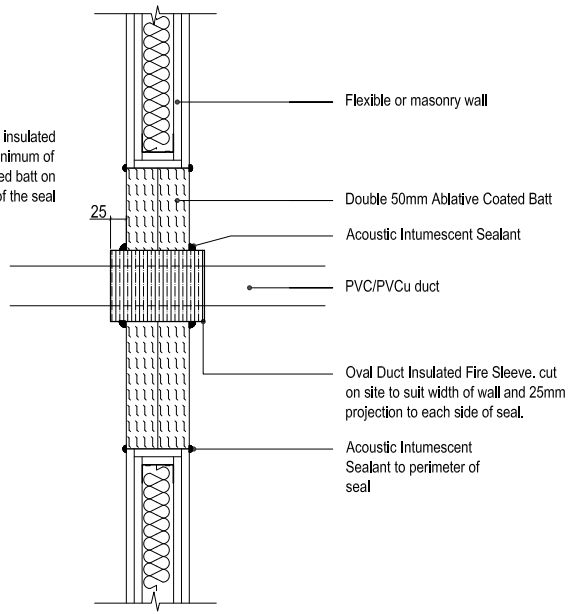
technical.solutions@rockwool.co.uk

Drawing Title:

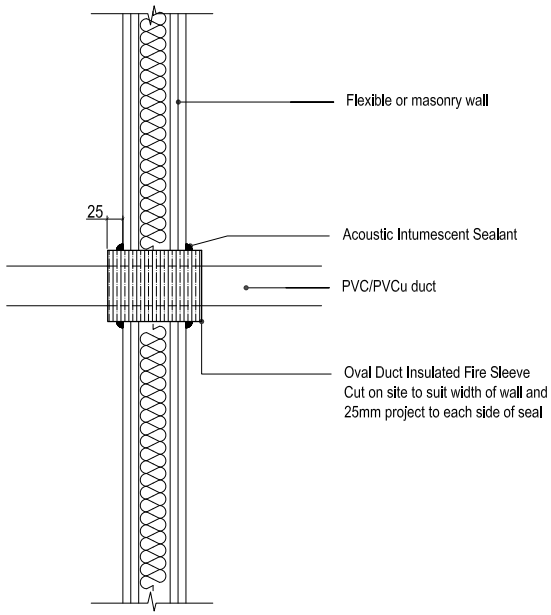
High Expansion Intumescent Sealant
Batt Aperture Seal / Flexible or Masonry Wall

| Scale: | Date: | |
|---|---|---|
| NTS | 23.04.18 | |
| Sheet Size: A3 | Drawn By: S. HIRONS | Checked By: R.WAKEFIELD |
| Drawing Number: SD-179-RDW | | Revision: B |

Note: For single batt seals the insulated fire sleeve needs to project a minimum of 40mm past the face of the coated batt on each side of the seal




OVAL INSULATED FIRE SLEEVE ON DUCT WORK THROUGH BATT APERTURE SEAL




OVAL INSULATED FIRE SLEEVE ON DUCT WORK THROUGH WALL

Oval Insulated Fire Sleeve Performance Tables:

| Oval duct insulated fire sleeve through wall and floor | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Service Type | Vent Duct Size (mm) | Wall Thickness (mm) | Material | Supporting Construction | | Integrity Performance (Minutes) | Insulation Performance (Minutes) | |
| | | | | Wall | Floor | Wall & Floor | Wall & Floor | |
| Duct work | 110 x 54<br>204 x 60 | 1.5 - 2.0 | PVC | M/PB | Concrete | 120 | 90 | 120 |

| Oval duct insulated fire sleeve through wall and floor | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Service Type | Vent Duct Size (mm) | Wall Thickness (mm) | Material | Supporting Construction | | Integrity Performance (Minutes) | Insulation Performance (Minutes) | |
| | | | | Wall | Floor | Wall & Floor | Wall & Floor | |
| Duct work | 210 x 63 &<br>308 x 66 | 1.6 - 3.0 | PVC | M/PB | Concrete | 120 | 90 | 120 |
| Trunking | 100 x 100 | 3 | PVC | M/PB | Concrete | 120 | 90 | 120 |
| Cable Conduit | 55 Dia | 3 | PVC | M/PB | Concrete | 120 | 90 | 120 |
| M = Masonry Wall<br>PB = Plasterboard Wall | | | | | | | | |



## ROCKWOOL Standard Detail:

Supporting Test Data : PAR 13814/03 & PAR 17244/01

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 240 Minutes | Up to 120 Minutes |

ROCKWOOL®
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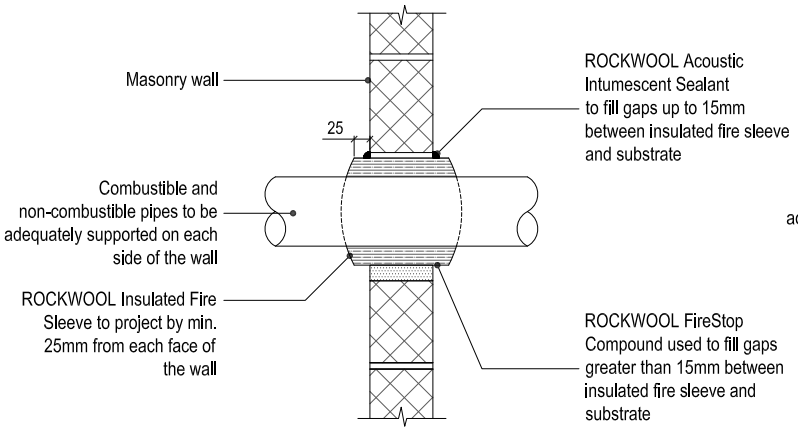
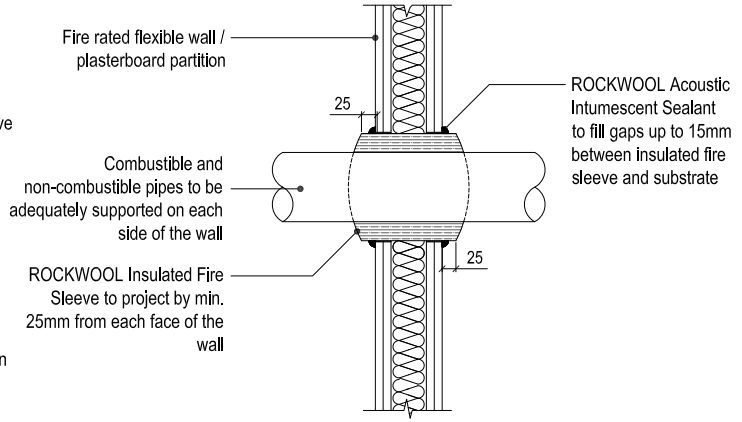
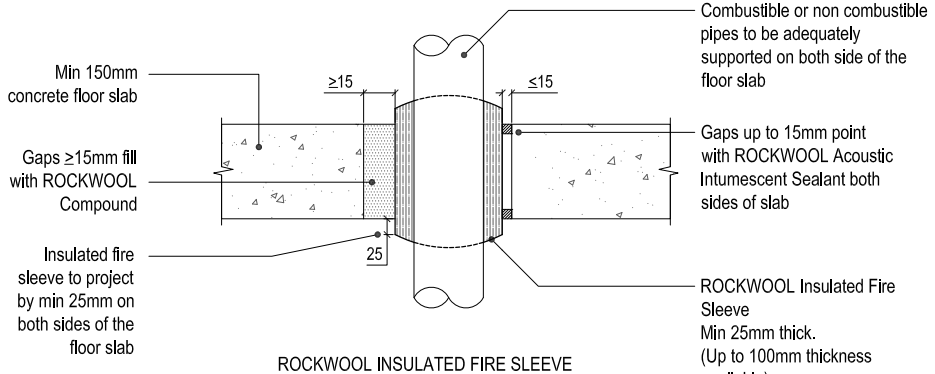
Drawing Title:
FirePro Oval Insulated Fire Sleeve:
Penetration Seal through batt & partition

| Scale: | Date: | |
|---|---|---|
| NTS | May 18 | |
| Sheet Size: | Drawn By: | Checked By: |
| A3 | RW TECH | R.WAKEFIELD |
| Drawing Number: | | Revision: |
| SD-220-RDW | | A |

ROCKWOOL INSULATED FIRE SLEEVE
VERTICAL SEAL - MASONRY WALL




ROCKWOOL INSULATED FIRE SLEEVE
HORIZONTAL SEAL

INSULATED FIRE SLEEVE PERFORMANCE TABLE - WALL & FLOOR

| Penetration | Pipe Diameter (mm) | Wall Thickness (mm) | Fire Rating | |
|---|---|---|---|---|
| | | | Integrity | Insulation |
| Steel | 22 - 165 | 2.5 - 14.2 | 120 | 0 |
| Copper | 22 - 160 | 2.5 - 14.2 | 120 | 0 |
| PVC/UPVC | 55 - 110 | 3 - 4.2 | 120 | 120 |
| PVC/UPVC | 160 | 3 - 4.2 | 90 | 90 |
| PB | 12 - 28 | 2 - 3.5 | 120 | 120 |



## ROCKWOOL Standard Detail:

Supporting Test Data : CHILT A12265

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

Insulated Fire Sleeve to project past face of wall / floor by min 25mm.

Insulated Fire Sleeves are available in a thickness from 25mm - 100mm.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 120 Minutes | Up to 120 Minutes |

ROCKWOOL

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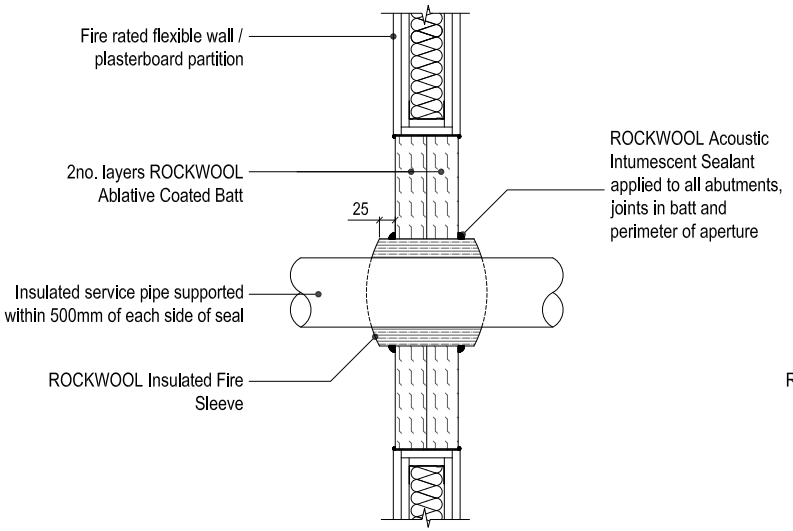
technical.solutions@rockwool.co.uk

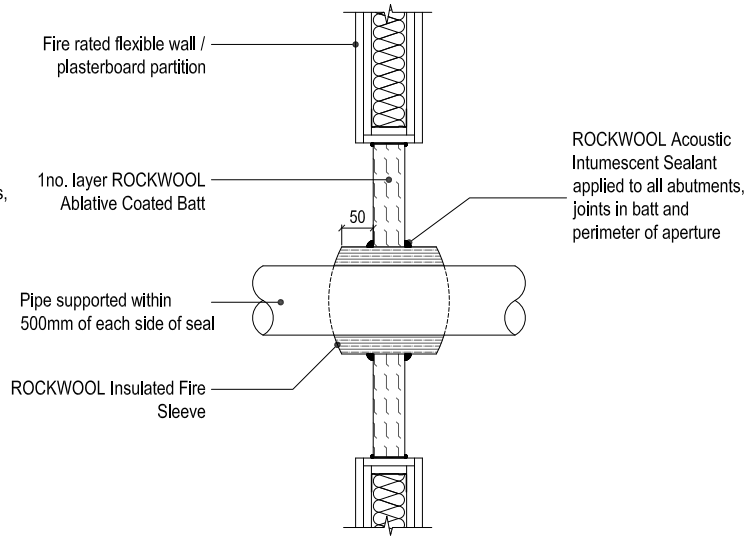
Drawing Title:
FirePro Insulated Fire Sleevel:
Penetration Seal through Wall / Floor

| Scale: | Date: | |
|---|---|---|
| NTS | 08.11.18 | |
| Sheet Size: | Drawn By: | Checked By: |
| A3 | RW TECH | R.WAKEFIELD |
| Drawing Number: | | Revision: |
| SD-221-RDW | | B |

ROCKWOOL INSULATED FIRE SLEEVE IN DOUBLE BATT SEAL




ROCKWOOL INSULATED FIRE SLEEVE IN SINGLE BATT SEAL




## Insulated Fire Sleeve Performance Tables:

| Pipe Material | Pipe Diameter (mm) | Wall Thickness (mm) | Seal Integrity Performance | | Seal Insulation Performance | |
|---|---|---|---|---|---|---|
| | | | 50mm Batt | 2 x 50mm Batt | 50mm Batt | 2 x 50mm Batt |
| PB | 15-28 | 2.5 | 60 | 120 | 60 | 120 |
| HDPE | 40 | 3 | 60 | 120 | 30 | 120 |
| PVCu | 43 | 1.8 | 60 | 120 | 30 | 120 |
| PVC | 55 | 2 | 60 | 120 | 30 | 120 |
| HDPE | 56 | 2.3 | 60 | 120 | 30 | 120 |
| ABS | 57 | 4 | 60 | 120 | 30 | 120 |
| PVC / PVCu | 82 | 3.2 - 4.0 | 60 | 120 | 30 | 120 |
| HDPE | 90 | 3.5 | 60 | 120 | 30 | 120 |
| PVC / PVCu | 110 | 3.2 - 4.0 | 60 | 120 | 30 | 120 |
| HDPE | 110 | 4.3 | 60 | 120 | 30 | 120 |
| ABS | 110 | 5 | 60 | 120 | 30 | 120 |
| PVC/PVCu | 160 | 3.2-4.5 | 60 | 120 | 30 | 120 |
| HDPE | 160 | 6.2 | 60 | 120 | 30 | 120 |
| ABS | 160 | 6.7 | 60 | 120 | 30 | 120 |

| Pipe Material | Pipe Diameter (mm) | Wall Thickness (mm) | Seal Integrity Performance | | Seal Insulation Performance | |
|---|---|---|---|---|---|---|
| | | | 50mm Batt | 2 x 50mm Batt | 50mm Batt | 2 x 50mm Batt |
| Copper | 12-15 | 1-2 | 60 | 120 | 60 | 120 |
| Copper | 22-160 | 2-3 | 60 | 120 | 15 | 15 |
| Steel | 22 | 3.5 | 60 | 120 | 60 | 120 |
| Steel | 40 -160 | 5 | 60 | 120 | 15 | 15 |



## ROCKWOOL Standard Detail:

Supporting Test Data : CHILT A12265 & PAR 13814/03

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

Insulated Fire Sleeve to project past face of wall / floor by min 50mm in single batt - 25mm in double batt.

Insulated Fire Sleeves are available in a thickness from 25mm - 100mm.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 120 Minutes | Up to 120 Minutes |

ROCKWOOL

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South Wales CF35 6NY
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technical.solutions@rockwool.co.uk

Drawing Title:
FirePro Insulated Fire Sleevel:
In single and double batt seal

| Scale: | Date: | | |
|---|---|---|---|
| NTS | May 18 | | |
| Sheet Size: | Drawn By: | Checked By: | |
| A3 | RW TECH | R.WAKEFIELD | |
| Drawing Number: | | Revision: | |
| SD-222-RDW | | A | |

INSTALLATION NOTES

1. Cut the product to length to suit the width of the cable tray or electrical trunking to be fire stopped.

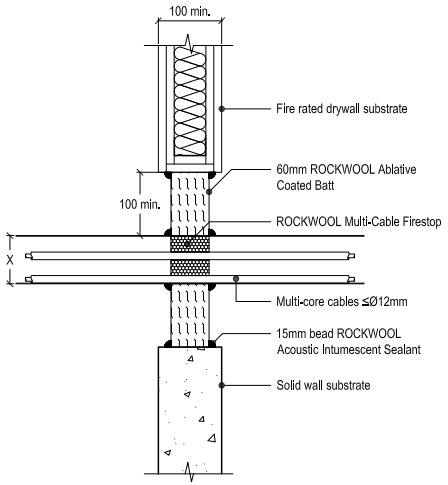
2. Multi-Cable Firestop is then layered to fill the complete void so that the 60mm width lies across the thickness of Rockwool Ablative Coated Batt. Where two coated batts are installed then the Multi-Cable Firestop shall be installed centrally within the seal.

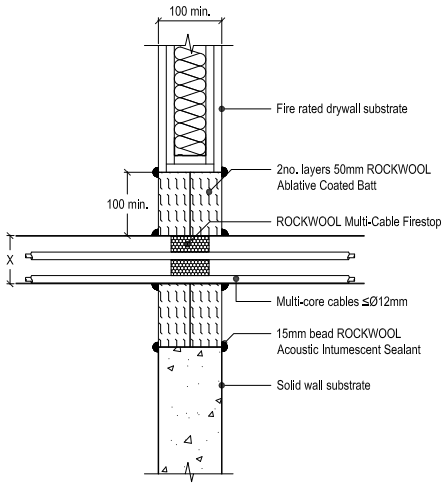
3. Where multiple layers of cables exist then the Multi-Cable Firestop shall be installed between the different layers.

4. Ensure that electrical trunking lids are replaced once the product has been installed.

Note: ROCKWOOL Multi-Cable FireStop Seals are 30mm deep sections with intumescent on both faces. A 60mm seal is 2 sections with 4 intumescent layers. A 90mm seal is 3 sections with 6 intumescent layers.

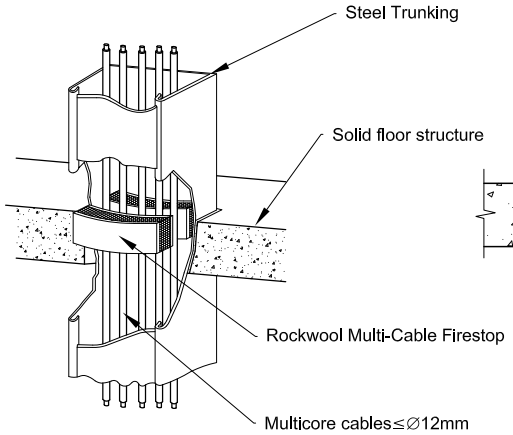
Max gap depth is 80mm - 3 No. layers under compression.

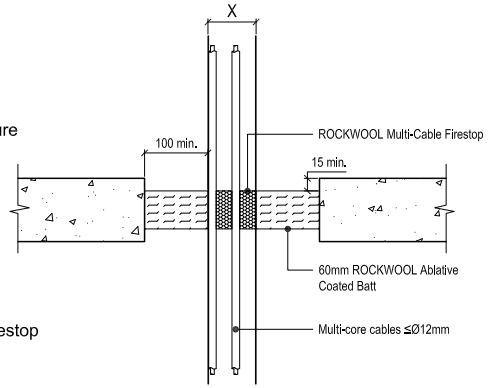


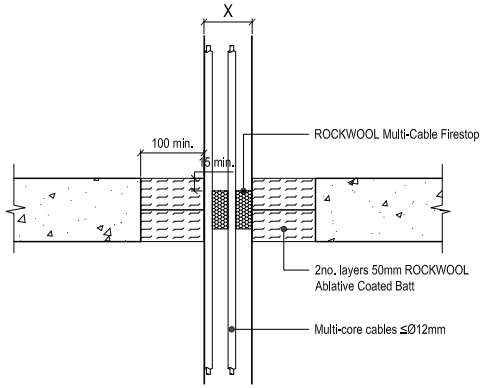




| Vertical Coated Batt Seal (50mm or 60mm) | Seal Width (mm) | Gap Depth X | | |
|---|---|---|---|---|
| | | 25mm (1 layer) | 55mm (2 layers) | 80mm (3 layers) |
| | | Integrity Performance (Minutes) | | |
| Single Batt | 60 | 180 | 120 | 120 |
| Double Batt | 60 | 240 | 240 | 240 |

**Trunking Installation**




**Note: For horizontal applications the Multi-Cable FIrestop can be glued In place wIth ROCKWOOL FIrePro Glue**

| Horizontal Coated Batt Seal (50mm or 60mm) | Seal Width (mm) | Gap Depth X | |
|---|---|---|---|
| | | 25mm (1 layer) | 55mm (2 layers) |
| | | Integrity Performance (Minutes) | |
| Single Batt | 60 | 180 | 120 |
| Double Batt | 60 | 240 | 240 |



## ROCKWOOL Standard Detail:

Supporting Test Data : IFC PAR_12482_01

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

The fire ratings included within this standard detail reflect the maximum achievable within the specific coated batt seal configuration. The actual fire rating of the coated batt seal can however be different depending upon the seal size and substrate type and it is therefore important to consult the specific ROCKWOOL standard detail for the batt configuration used.

For guidance on PVC trunking please contact ROCKWOOL Technical.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 240 Minutes | |

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Drawing Title:
Multi-Cable Firestop: Single & Double Layer Ablative Coated Batt Application Range

| Scale: | Date: | |
|---|---|---|
| NTS | NOV 18 | |
| Sheet Size: | Drawn By: | Checked By: |
| A3 | S. HIRONS | R.WAKEFIELD |
| Drawing Number: | | Revision: |
| SD-135-RW | | C |

INSTALLATION NOTES

1. Make sure that the area within the aperture is clean of any debris and remove any dust from the edges.

2. Cut Rockwool ablative coated batt to the size and shape required to fit the aperture ensuring the batt will make a tight fit with all edges of the aperture.

3. Cut rectangular holes from the coated batt to accommodate the EZ-Path® Series 44 Fire-Rated Pathway

4. Cut the coated batt across its width at the mid-point of each rectangular hole to enable batt to be fitted into the aperture.

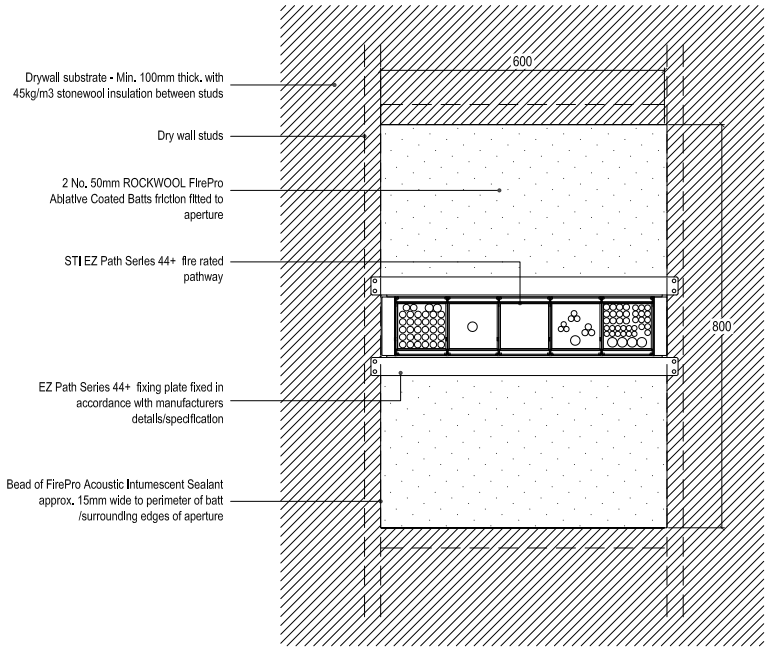
5. Apply Rockwool acoustic intumescent sealant to all edges of the batt, ensuring that an even cover is achieved over the entire thickness of the batt. This should include the outer edges of the batt and the edges of the cut made across the batt to allow fitting into the aperture. There is no requirement to apply sealant to the edges of the holes cut to accommodate each cable tray or ladder.

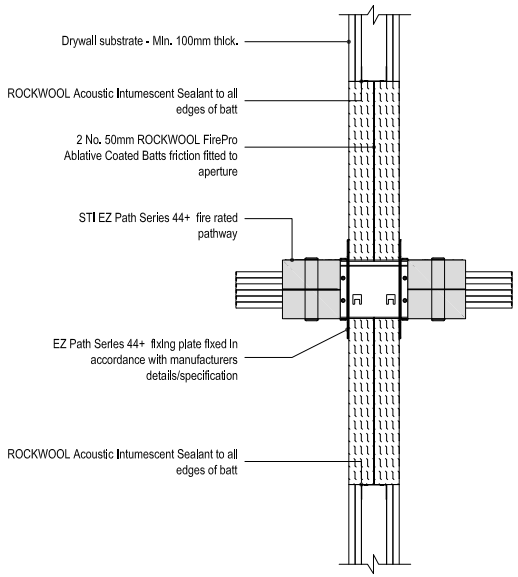
6. Insert the batt into the aperture.

7. Any gaps between the ablative coated batt and the substrate require sealing with acoustic intumescent sealant.

8. Apply a bead of Rockwool acoustic intumescent sealant, approximately 15 mm wide, around the EZ-Path unit and ablative coated batt.

9. Repeat step 7 and 8 on the other side of the batt




## ROCKWOOL Standard Detail:

Supporting Test Data : WF 377056

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

Stud wall constructions must be installed in accordance with the manufacturers guidelines. The wall construction must have a minimum thickness of 100mm.

All service items should be adequately supported either side of the fire stop to ensure no load is transferred onto the coated batt.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| 120 Minutes | 90 Minutes |


ROCKWOOL®

Pencoed, Bridgend,
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t: 01656 868490
technical.solutions@rockwool.co.uk


Drawing Title:

EZ Path Unit:
2 No. 50mm Ablative Coated Batts

| Scale: | Date: | |
|---|---|---|
| NTS | March 2017 | |
| Sheet Size: A3 | Drawn By: L.HAM | Checked By: R.WAKEFIELD |
| Drawing Number: SD-200-RDW | | Revision: - |

INSTALLATION NOTES

1. Make sure that the area within the aperture is clean of any debris and remove any dust from the edges.

2. Cut Rockwool ablative coated batt to the size and shape required to fit the aperture ensuring the batt will make a tight fit with all edges of the aperture.

3. Cut rectangular holes from the coated batt to accommodate the EZ-Path® Series 44 Fire-Rated Pathway

4. Cut the coated batt across its width at the mid-point of each rectangular hole to enable batt to be fitted into the aperture.

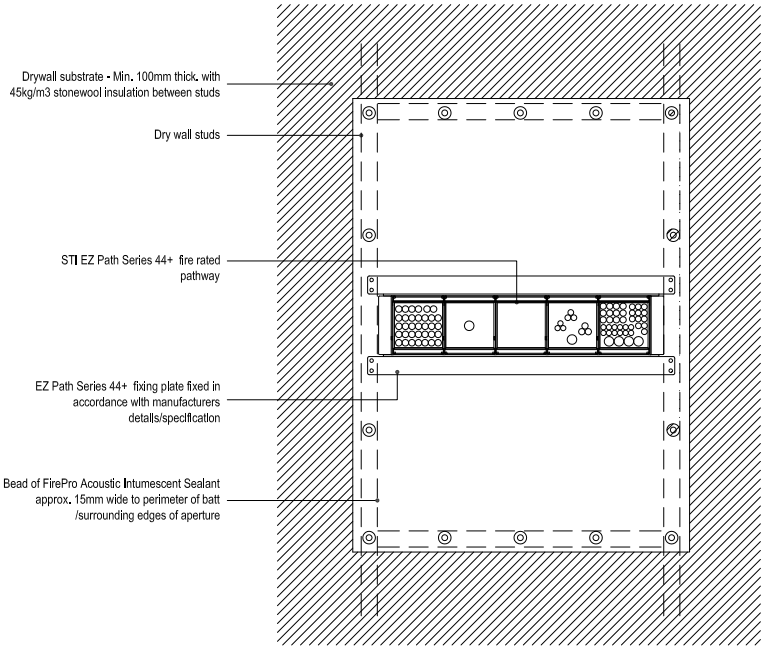
5. Apply Rockwool acoustic intumescent sealant to all edges of the batt, ensuring that an even cover is achieved over the entire thickness of the batt. This should include the outer edges of the batt and the edges of the cut made across the batt to allow fitting into the aperture. There is no requirement to apply sealant to the edges of the holes cut to accommodate each cable tray or ladder.

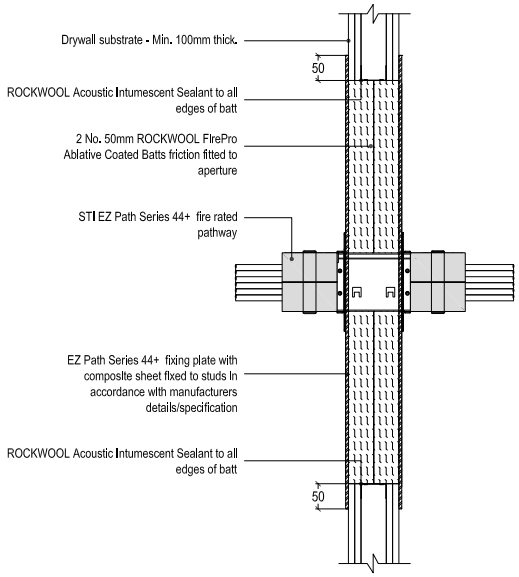
6. Insert the batt into the aperture.

7. Apply a bead of Rockwool acoustic intumescent sealant, approximately 15 mm wide, around the perimeter of the batt ensuring that all gaps between the batt and surrounding edges are fully filled.

8. Apply a bead of Rockwool acoustic intumescent sealant, approximately 15 mm wide, where the cables pass through the batt. Ensure that the sealant fully encloses each cable within the tray or ladder and that all gaps are fully filled.

9. Repeat step 7 and 8 on the other side of the batt




Supporting Test Data : WF 377056

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

Stud wall constructions must be installed in accordance with the manufacturers guidelines. The wall construction must have a minimum thickness of 100mm.

All service items should be adequately supported either side of the fire stop to ensure no load is transferred onto the coated batt.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| 120 Minutes | 90 Minutes |


ROCKWOOL®

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t: 01656 868490
technical.solutions@rockwool.co.uk


Drawing Title:

EZ Path Unit with Cover Plate:
2 No. 50mm Ablative Coated Batts

| Scale: | Date: | |
|---|---|---|
| NTS | March 2017 | |
| Sheet Size: A3 | Drawn By: L.HAM | Checked By: R.WAKEFIEL |
| Drawing Number: SD-201-RDW | | Revision: - |

## INSTALLATION NOTES

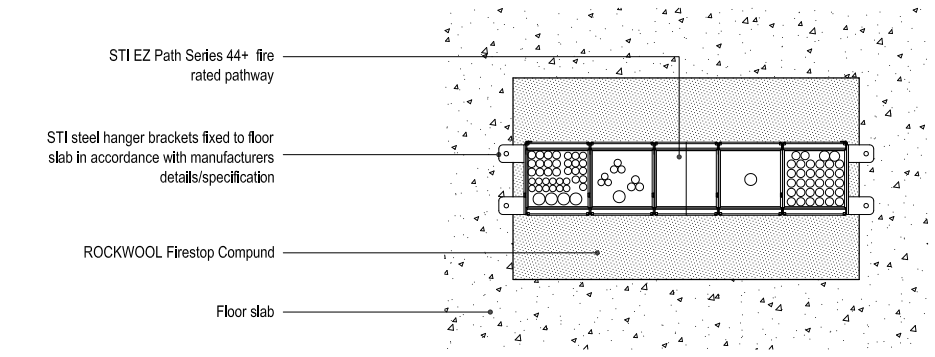
A permanent shuttering made from 50mm ROCKWOOL slab (minimum density 140kg/m3) is cut and friction fitted between services and the edges of the floor slab. Firestop Compound is then trowelled over the shutter to a depth of 25mm thick. This is allowed to cure. Further Firestop Compound is then mixed to a pouring grade and tops the seal up to the required depth.

**Floor openings**

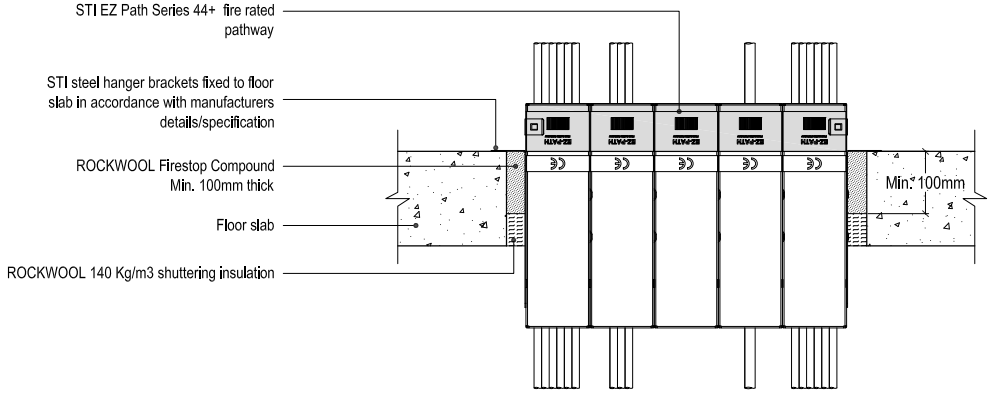
1) A bag of compound to 10 litres water (3:1) by volume. Vary to suit site conditions

2) Set the shuttering into the opening ensuring a tight fit so that once the required depth of Compound is installed it finishes flush with the floor slab/screed unless otherwise specified

3) Mix and pour compound until the required thickness is achieved.




PLAN VIEW




SECTION

## ROCKWOOL Standard Detail:

Supporting Test Data : WF 377055

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

All service items should be adequately supported either side of the Firestop to ensure that no permanent load is transferred onto the coated batt.

The Firestop compound is designed to accommodate light foot traffic in line with BS6399 for workspaces and cupboards.

| Integrity Performance: | Insulation Performance: |
|---|---|
| 120 Minutes | 120 Minutes |


ROCKWOOL

TECHNICAL SOLUTIONS
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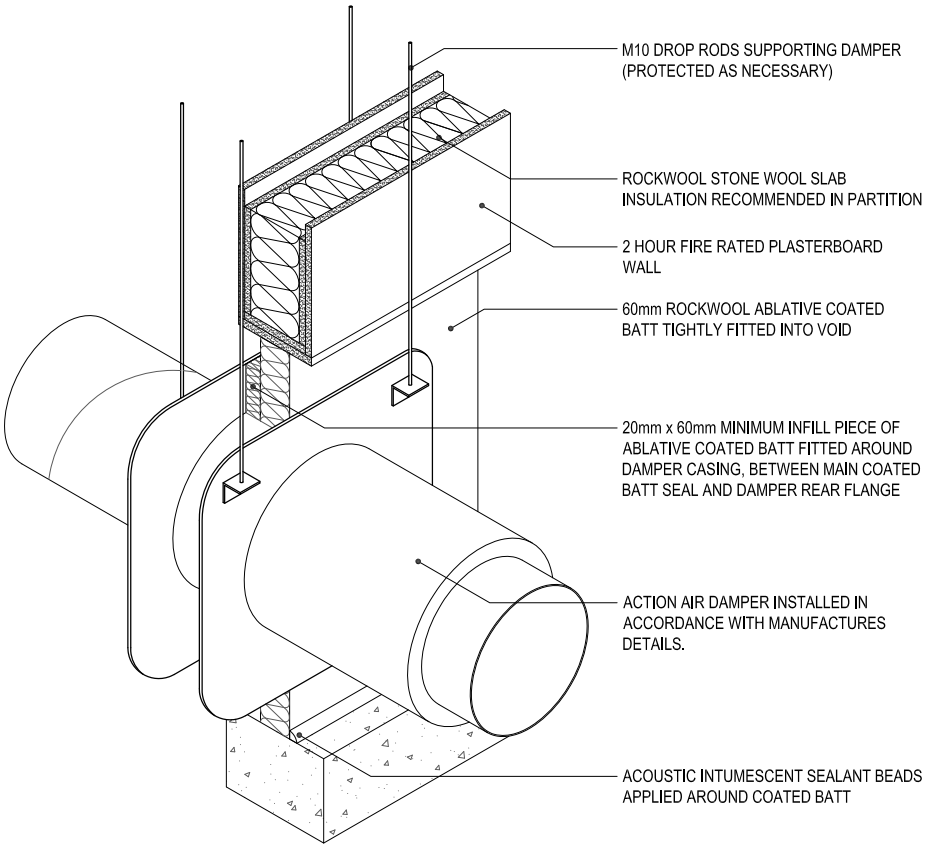
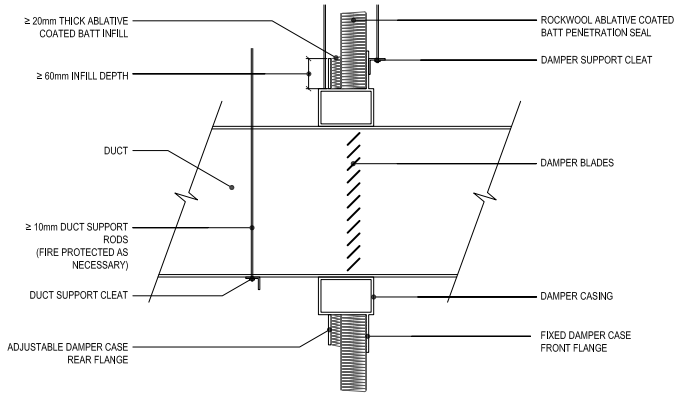
t: 01656 862 621
technical.solutions@rockwool.co.uk


Drawing Title:
EZ Path with ROCKWOOL Firestop Compound Floor Seal

| Scale: | Date: | |
|---|---|---|
| NTS | MAR 17 | |
| Sheet Size: A3 | Drawn By: S.HIRONS | Checked By: R.WAKEFIELD |
| Drawing Number: SD-202-RW | | Revision: B |

1. Ensure area within the aperture is free from any debris and remove any dust
2. Cut ROCKWOOL Ablative Coated Batt(s) to the size and shape required to fill the wall aperture, ensuring the batts make a tight fit with all edges of the aperture
3. Cut hole from the coated batt(s) to accept damper
4. Cut the coated batts as necessary to allow fitting into aperture around damper
5. Where the coated batt will contact the surrounding masonry, apply ROCKWOOL Acoustic Intumescent Sealant to the outer edges of the batt. Do not apply to the edges that will be in contact with the damper
6. Where two coated batts will be in contact use ROCKWOOL FirePro Glue as the joint adhesive, ensuring an even cover is provided over the entire thickness of both batt edges
7. Insert the cut batt(s) around the damper and against the damper front flange until the aperture is completely filled and a tight seal is achieved
8. Cut packer pieces of coated batt, minimum 60mm x 20mm, and locate these around damper against the rear surface (non-access side) of the main coated batt seal. If necessary, a bead of sealant may be used to hold the packer pieces to the main coated batt seal until the retaining angles are installed
9. Using steel rivets or self-tapping screws, fix the rear flange collar to the non-access side of the damper, tight against the exposed faces of the packer pieces
10. Apply beads of ROCKWOOL Acoustic Intumescent Sealant to both sides of the wall, approximately 15mm wide, around the perimeter of the Ablative Coated Batt, ensuring any gaps between the batt and the surrounding wall edges are fully filled
11. Repair any damage to the batt coated, which may have occurred during installation, and the exposed edge of the infill packing pieces by brush or spray applying ROCKWOOL Ablative Coating
12. Allow at least 12 hours for batt penetration seal to cure prior to removing any lateral damper supports




Notes:

**Damper type:**
Circular or Flat Oval SmokeShield PTC™ dampers manufactured by ActionAir

**Damper sizes for circular ductwork:**
Minimum: 200mm x 200mm (to suit 100mm diameter ductwork)
Maximum: 1000mm x 1000mm (to suit 950mm diameter ductwork)

**Damper sizes for flat-oval ductwork:**
Minimum: 350mm x 250mm (to suit 300mm x 200mm ductwork)
Maximum: 1000mm x 550mm (to suit 950mm x 500mm ductwork)

**Damper installation:**
In accordance with HVCA document DW/145 and securely supported from cleats either side of wall to manufacturers recommendations

**Wall construction:**
≥ 150mm thick blockwork / brickwork / concrete
120 minute flexible wall

**Aperture (seal) sizes:**
To suit sizes as follows:-
**Circular ductwork:** For damper sizes between 200mm and 300mm, the width of Coated Batt between damper and wall/partition must be between 150mm and 450mm, ±5% fitting tolerance
**Circular ductwork:** For damper sizes between 301mm and 1000mm, the width of Coated Batt between damper and wall/partition must be between 150mm and 700mm, ±5% fitting tolerance
**Flat-oval ductwork:** Coated batt width between damper and wall/partition must be between 150mm and 750mm. ±5% fitting tolerance



## ROCKWOOL Standard Detail:

Supporting Test Data : Chilt/A08152 E

Fire stopping solutions around fire dampers are to be confirmed by the specific damper manufacturer.

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

Under the CPR it is a requirement that Dampers are CE marked and as such that they are installed (and fire stopped) in line with their data sheets. With recent guidance damper manufacturers can now provide a tested Firestopping solution for around their dampers systems. Therefore ROCKWOOLs default position is to guide the Client or Installer to contact the Damper manufacturer for their tested firestopping solution.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

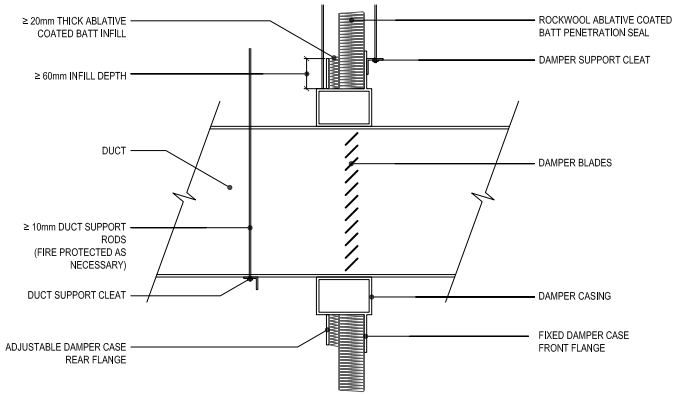
| Integrity Performance: | Insulation Performance: |
|---|---|
| 120 Minutes | - |

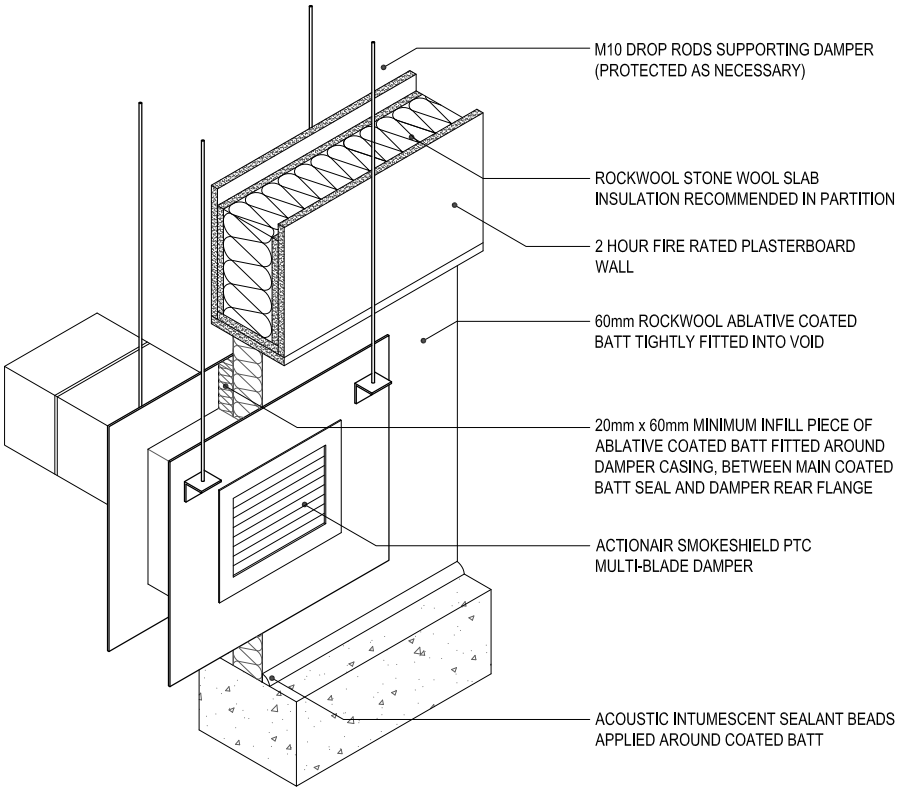
ROCKWOOL®
Pencoed, Bridgend,
South Wales CF35 6NY
t: 01656 868490
technical.solutions@rockwool.co.uk

Drawing Title:
2 Hour Flexible / Masonry Wall
Circular/Oval Damper

| Scale: | Date: | |
|---|---|---|
| NTS | 18.01.18 | |
| Sheet Size: A3 | Drawn By: S. HIRONS | Checked By: R.WAKEFIELD |
| Drawing Number: BB-D-2-CDA-100 | | Revision: B |

1. Ensure area within the aperture is free from any debris and remove any dust
2. Cut ROCKWOOL Ablative Coated Batt(s) to the size and shape required to fill the wall aperture, ensuring the batts make a tight fit with all edges of the aperture
3. Cut hole from the coated batt(s) to accept damper
4. Cut the coated batts as necessary to allow fitting into aperture around damper
5. Where the coated batt will contact the surrounding masonry, apply ROCKWOOL Acoustic Intumescent Sealant to the outer edges of the batt. Do not apply to the edges that will be in contact with the damper
6. Where two coated batts will be in contact use ROCKWOOL FirePro Glue as the joint adhesive, ensuring an even cover is provided over the entire thickness of both batt edges
7. Insert the cut batt(s) around the damper and against the damper front flange until the aperture is completely filled and a tight seal is achieved
8. Cut packer pieces of coated batt, minimum 60mm x 20mm, and locate these around damper against the rear surface (non-access side) of the main coated batt seal. If necessary, a bead of sealant may be used to hold the packer pieces to the main coated batt seal until the retaining angles are installed
9. Using steel rivets or self-tapping screws, fix the rear flange collar to the non-access side of the damper, tight against the exposed faces of the packer pieces
10. Apply beads of ROCKWOOL Acoustic Intumescent Sealant to both sides of the wall, approximately 15mm wide, around the perimeter of the Ablative Coated Batt, ensuring any gaps between the batt and the surrounding wall edges are fully filled
11. Repair any damage to the batt coated, which may have occurred during installation, and the exposed edge of the infill packing pieces by brush or spray applying ROCKWOOL Ablative Coating
12. Allow at least 12 hours for batt penetration seal to cure prior to moving any lateral damper supports




Notes:

**Damper type:**
Rectangular Smokeshield PTC dampers manufactured by Action Air

**Damper sizes :**
Minimum: 100mm x 100mm
Maximum: 1000mm x 1000mm

**Damper installation:**
In accordance with HVCA document DW/145 and securely supported from cleats either side of wall to manufacturers recommendations

**Wall construction:**
≥ 150mm thick blockwork / brickwork / concrete
≥ 120 Minute flexible wall

**Aperture (seal) sizes:**
To suit sizes as follows:-
For damper sizes between 100mm x 100mm and 300mm x 300mm, the width of Coated Batt between damper and wall/partition must be between 150mm and 450mm, ±5% fitting tolerance
For damper sizes between 301mm x 301mm and 1000mm x 1000mm, the width of Coated Batt between damper and wall/partition must be between 150mm and 700mm, ±5% fitting tolerance

## ROCKWOOL Standard Detail:

Supporting Test Data : Chilt/A08152 E

Fire stopping solutions around fire dampers are to be confirmed by the specific damper manufacturer.

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

Under the CPR it is a requirement that Dampers are CE marked and as such that they are installed (and fire stopped) in line with their data sheets. With recent guidance damper manufacturers can now provide a tested Firestopping solution for around their dampers systems. Therefore ROCKWOOLs default position is to guide the Client or Installer to contact the Damper manufacturer for their tested firestopping solution.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

| Integrity Performance: | Insulation Performance: |
|---|---|
| 120 Minutes | - |


ROCKWOOL®
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technical.solutions@rockwool.co.uk


Drawing Title:
2 Hour Flexible / Masonry Wall
Squarel Damper in 60mm Ablative Coated Batt

| Scale: | Date: | |
|---|---|---|
| NTS | 18.01.18 | |
| Sheet Size: | Drawn By: | Checked By: |
| A3 | S. HIRONS | R.WAKEFIELD |
| Drawing Number: | | Revision: |
| BB-D-2-SDA-99 | | B |

INSTALLATION NOTES

1. Ensure the area within the aperture is free from any debris and remove any dust. Cut ROCKWOOL Ablative Coated Batt(s) to the size and shape required to fill the wall aperture ensuring the batts make a tight fit to all edges.
2. Cut the Ablative Coated Batt(s) as necessary to accept the damper and fit into the aperture.
3. Where the coated batt will be in contact with the surrounding plasterboard apply ROCKWOOL FirePro Glue to the outer edges of the Batt. ensure an even cover is provided over the entire face of the Batt.
4. Where two Coated Batts will be in contact, Batt to Batt joints, use ROCKWOOL FirePro Glue as the joint adhesive. Ensuring an even cover is provided over the entire face of both Batt edges.
5. Insert the cut Batt(s) around the damper and against the damper front flange until the aperture is completely filled and a tight seal is achieved.
6. Apply beads of ROCKWOOL Acoustic Intumescent Sealant to both sides of the wall, approximately 15mm wide, around the perimeter of the ablative coated batt, ensuring any gaps between the batt and the surrounding wall edges are fully filled.
7. Repair any damage to the batt coating which may have occurred during installation by brush or spray applying ROCKWOOL Ablative Coating.
8. Allow at least 12 hours for batt penetration seal to cure prior to removing any lateral damper supports.

Damper Type:
ActionAir Smoke Shield + DWFX-F (AA/F10710)

Damper Sizes:
Minimum: 100mm x 100mm
Maximum: 1000mm x 1000mm

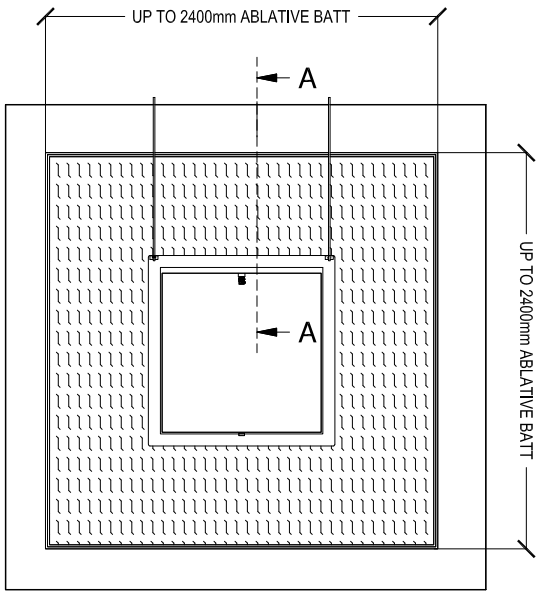
Damper Installation:
In accordance with HVCA document DW/145 and securely supported in accordance with manufacturers recommendations.

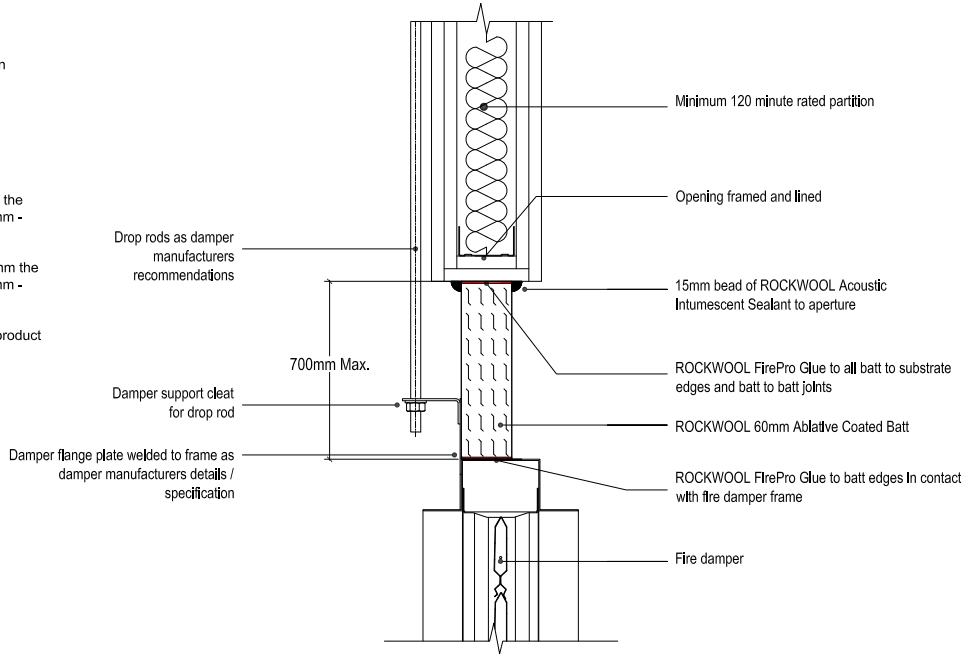
Wall Construction:
2 hour fire resistant partition

Aperture Sizes:
To suit damper size as follows:
For damper size ranges between 100mm x 100mm - 300mm x 300mm the width of Coated Batt between damper and wall must be between 150mm - 450mm, +/- 5% fitting tolerance.

For damper size ranges between 301mm x 301mm - 1000mm x 1000mm the width of Coated Batt between damper and wall must be between 150mm - 700mm, +/- 5% fitting tolerance.

This detail is to be read in conjunction with the relevant ROCKWOOL product data sheets, and Damper Manufacturers details / data sheets.




## ROCKWOOL Standard Detail:

Supporting Test Data :

Fire stopping solutions around fire dampers are to be confirmed by the specific damper manufacturer.

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

Under the CPR it is a requirement that Dampers are CE marked and as such that they are installed (and fire stopped) in line with their data sheets. With recent guidance damper manufacturers can now provide a tested Firestopping solution for around their dampers systems. Therefore ROCKWOOLs default position is to guide the Client or Installer to contact the Damper manufacturer for their tested firestopping solution.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

| Integrity Performance: | Insulation Performance: |
|---|---|
| 120 Minutes | - |

ROCKWOOL®
Pencoed, Bridgend,
South Wales CF35 6NY
t: 01656 868490
technical.solutions@rockwool.co.uk

Drawing Title:
2 Hour Flexible Wall
60mm Coated Batt - Damper Without Rear Angle

| Scale: | Date: | |
|---|---|---|
| NTS | March 18 | |
| Sheet Size: A3 | Drawn By: RW TECH | Checked By: R.WAKEFIELD |
| Drawing Number: SD-210-RDW | | Revision: B |

INSTALLATION NOTES

1. Make sure that the area within the aperture is clean of any debris and remove any dust from the edges.

2. Cut Rockwool ablative coated batt(s) to the size and shape required to fit the aperture ensuring the batt will make a tight fit with all edges of the aperture.

3. Cut rectangular holes from the coated batt to accept the damper

4. Cut the coated batts as necessary to allow fitting into the aperture around damper.

5. Where the coated batt will contact the surrounding substrate, apply rockwool acoustic intumescent sealant to the outer edges of the batt. Do not apply to the edges that will be in contact with the damper.

6. Where two coated batts will be in contact, use Rockwool FIREPRO GLUE as the joint adhesive, ensuring an even cover is provided over the entire thickness of both batt edges.

7. Insert the cut batt around the damper and against the damper front flange until the aperture is completely filled and a tight seal is achieved.

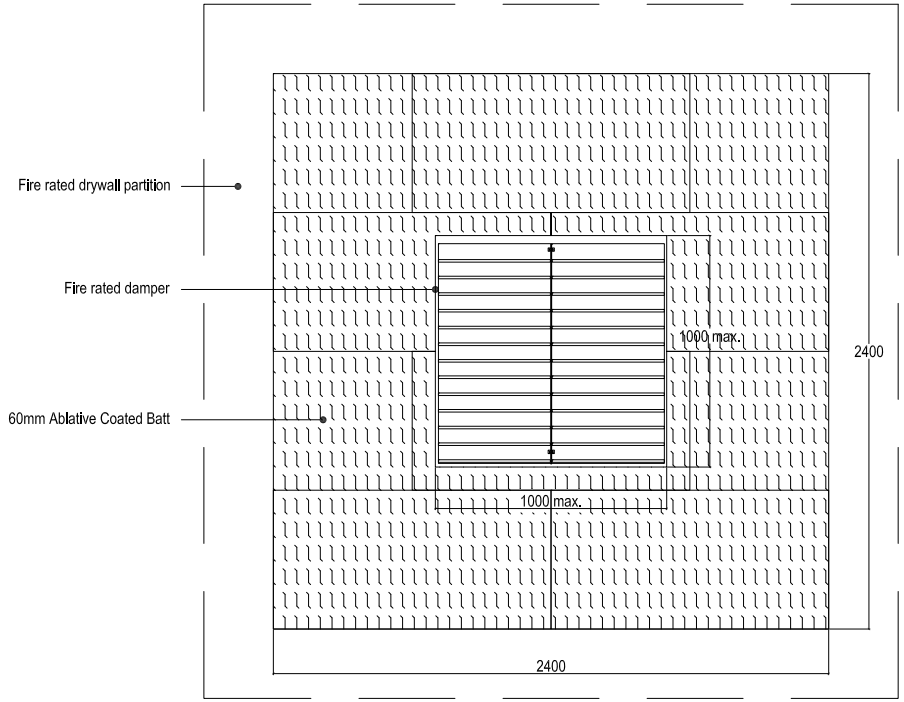
8. Cut packer pieces of coated batt, minimum 60mm x 20mm, and locate these around the damper against the rear surface (Non-Access side) of the main coated batt seal. (If necessary, a bead of sealant may be used to hold the packer pieces to the main coated batt seal until the retaining angles are installed).

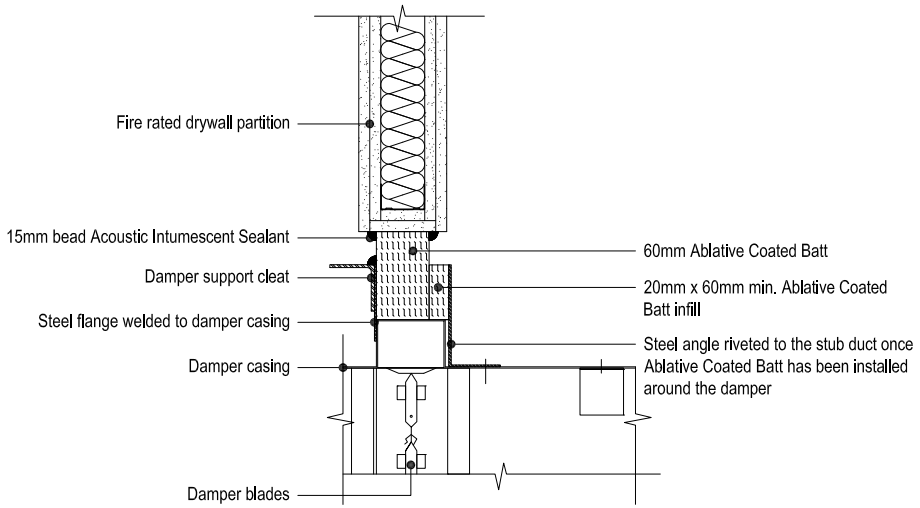
9. Using steel rivets or self-tapping screws, fix the 4 rear flange angles to the non-access side of the damper, tight against the exposed face of the packing pieces.

10 Apply beads of Rockwool acoustic intumescent sealant to both sides of the wall, approximately 15mm wide, around the perimeter of the ablative coated batt, ensuring any gaps between the batt and wall edges are fully filled.

11. Repair any damage to the coating which may have occurred during installation and the exposed edge of the packing pieces by brush or spray applying Rockwool ablative coating.

12. Allow at least 12 hours for batt penetration seal cure prior to removing any lateral damper supports.




## ROCKWOOL Standard Detail:

Supporting Test Data :

Damper sizes:
Minimum: 100mm x 100mm
Maximum: 1000mm x 1000mm

Damper installation:
In accordance with HVCA document DW/145 and securely supported from cleats either side of wall to manufacturer's recommendations.

Wall Construction: 2 hour fire resistant plasterboard / steel studs.

Aperture (seal) sizes: To suit damper sizes as follows:-
For damper size ranges between 100 x 100mm and 300 x 300mm, the width of Coated Batt between damper and wall must be between 150 and 450mm, ±5% fitting tolerance.

For damper size ranges between 301 x 301mm and 1000 x 1000mm, the width of Coated Batt between damper and wall must be between 150 and 700mm, ± 5% fitting tolerance

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 120 Minutes | |


ROCKWOOL

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technical.solutions@rockwool.co.uk

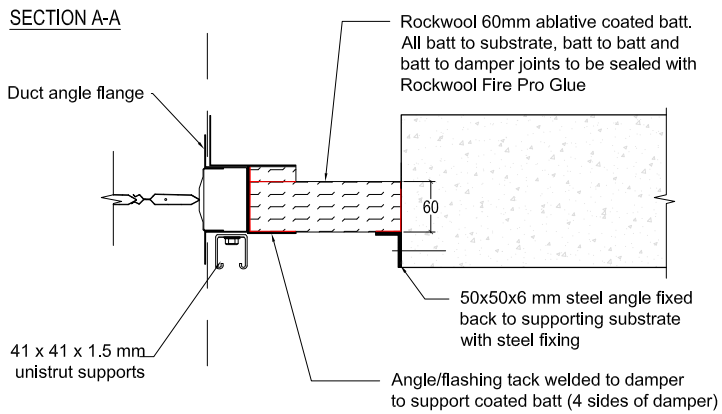

Drawing Title:
60mm Ablative Coated Batt
Damper Penetration

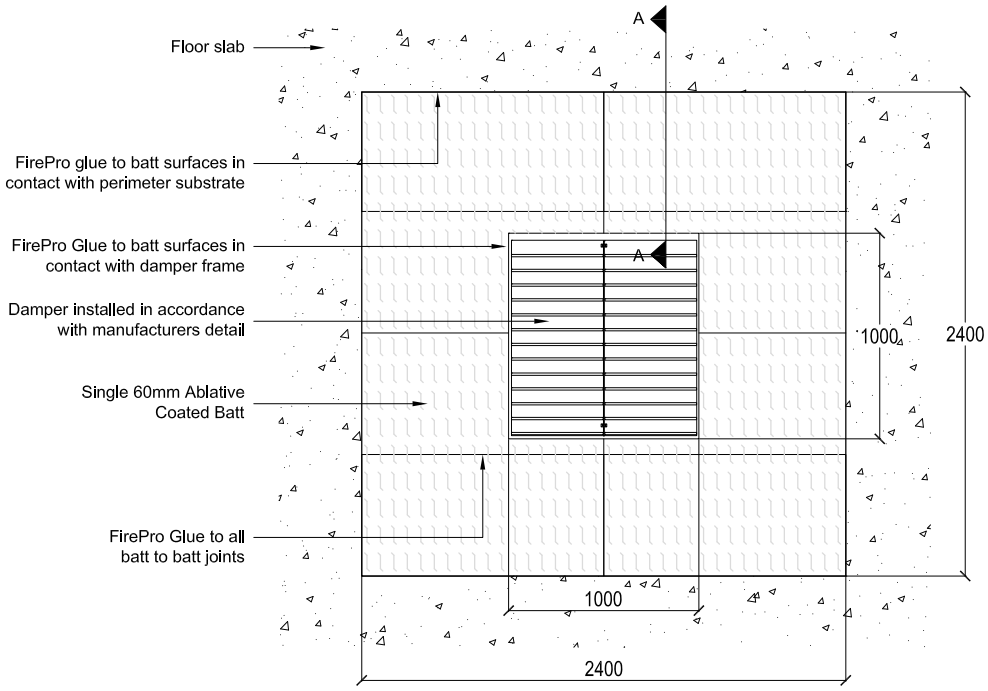
| Scale: | Date: | |
|---|---|---|
| NTS | NOV 18 | |
| Sheet Size: A3 | Drawn By: S.HIRONS | Checked By: R.WAKEFIELD |
| Drawing Number: SD-151-RW | | Revision: B |

INSTALLATION NOTES

1. Ensure area within the aperture is free from any debris and remove any dust.
2. Cut ROCKWOOL Ablative Coated Batt(s) to the size and shape required to fill the aperture, ensuring the batts make a tight fit with all edges of the aperture.
3. Cut the coated batt(s) to suit the aperture and damper size/shape.
4. Where the coated batt is contact the surrounding substrate and damper frame apply ROCKWOOL FIrePro Glue, ensuring an even cover is provided over the entire thickness of both batt edges.
5. Where two coated batts will be in contact use ROCKWOOL FirePro Glue as the joint adhesive, ensuring an even cover is provided over the entire thickness of both batt edges.
6. Insert the cut batt(s) around the damper and against the damper front flange until the aperture is completely filled and a tight seal is achieved.
7. Cut packer pieces of coated batt, minimum 60mm x 20mm, and locate these around damper against the rear surface (non-access side) of the main coated batt seal. All packer pieces of coated in contact with damper frame or main coated batt seal are to receive FirePro Glue.
8. Using steel rivets or self-tapping screws, fix the 4 rear flange angles to the non-access side of the damper, tight against the exposed face of the packer piece.
9. Apply beads of ROCKWOOL Acoustic Intumescent Sealant to the perimeter of the seal against the substrate, approximately 15mm wide, around the perimeter of the Ablative Coated Batt ensuring any gaps between the batt and the surrounding wall edges are fully filled
10. Repair any damage to the batt coated, which may have occurred during installation by brush or spray applying ROCKWOOL Ablative Coating.
11. Allow at least 12 hours for batt penetration seal to cure prior to removing any lateral damper supports.

SECTION A-A




PLAN VIEW OF FLOOR SEAL WITH DAMPER

## ROCKWOOL Standard Detail:

Supporting Test Data : BRE 275926

The concrete floor slab must be capable of supporting the damper and achieving the required 120 minutes Fire Rating as detailed within this drawing at a minimum thickness of 150mm

ROCKWOOL strongly recommends that the horizontal batt seals are covered with a load bearing steel grating to prevent fall through

Damper sizes:
Minimum: 100mm x 100mm
Maximum: 1000mm x 1000mm
Damper installation:
In accordance with HVCA document DW/145 and securely supported from cleats either side of the floor aperture in accordance with manufacturer's recommendations.
Floor Construction: 2 hour Fire Resistant Concrete Floor Min 150mm thick

Under the CPR it is a requirement that Dampers are CE marked and as such that they are installed (and fire stopped) in line with their data sheets. With recent guidance damper manufacturers can now provide a tested Firestopping solution for around their dampers systems. Therefore ROCKWOOLs default position is to guide the Client or Installer to contact the Damper manufacturer for their tested firestopping solution.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

| Integrity Performance: | Insulation Performance: |
|---|---|
| 120 Minutes | - |

ROCKWOOL®
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t: 01656 868490
technical.solutions@rockwool.co.uk

Drawing Title:
Horizontal Damper Fire Seal
Single 60mm Ablative Coated Batt

| Scale: | Date: | |
|---|---|---|
| NTS | 13.03.2018 | |
| Sheet Size: A3 | Drawn By: RW TECH | Checked By: R.WAKEFIELD |
| Drawing Number: SD-215-RW | | Revision: A |

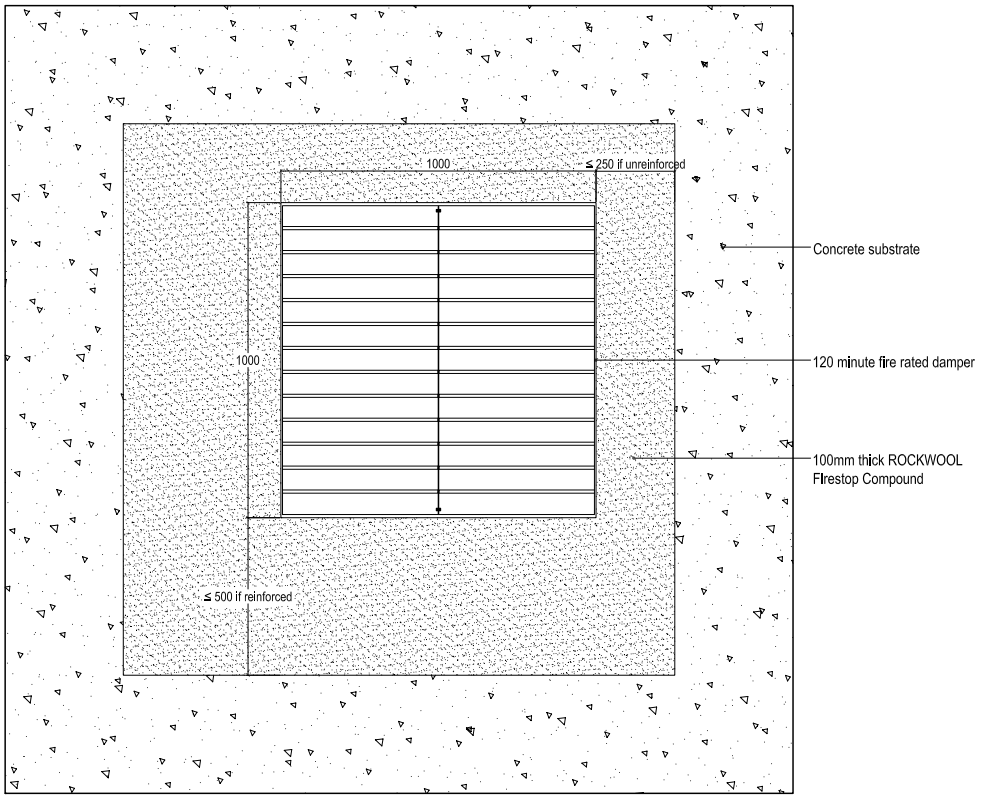
## INSTALLATION NOTES

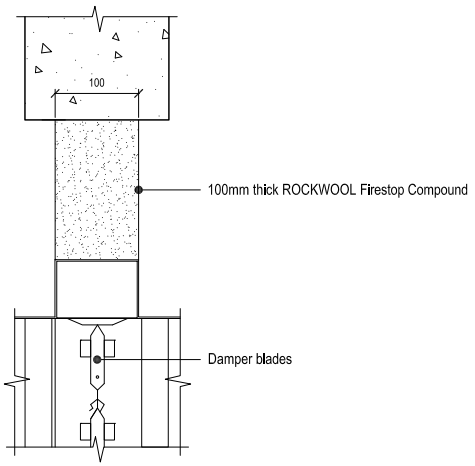
1. Make sure that the area within the aperture is clean of any debris and remove any dust from the edges.

2. Ensure that the Damper is independently supported in accordance with the manufacturer's guidelines and within a suitable HEVAC frame.

3. For shuttering fit 50mm Rockwool slab (minimum density 140 kg/m3) between the damper casing and the wall.

4. Trowel the compound, starting at the base of the opening ensuring the correct thickness is installed (100mm). Work progressively towards the top of the opening until the seal is complete.




## ROCKWOOL Standard Detail:

Supporting Test Data : WF 363798

The solid wall structure must be capable of supporting the damper and achieving the required 120 minutes Fire Rating as detailed within this drawing.

Aperture Size: The maximum damper size is 1000mm x 1000mm. The maximum annular space for un-reinforced compound seals around the damper is 250mm. The maximum reinforced annular space around the damper is 500mm.

The damper assembly MUST be installed in accordance with HVCA document DW/145 and installed within a suitable HEVAC frame.

Under the CPR it is a requirement that Dampers are CE marked and as such that they are installed (and fire stopped) in line with their data sheets. With recent guidance damper manufacturers can now provide a tested Firestopping solution for around their dampers systems. Therefore ROCKWOOLS default position is to guide the Client or Installer to contact the Damper manufacturer for their tested firestopping solution.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

| Integrity Performance: | Insulation Performance: |
|---|---|
| 120 Minutes | - |

ROCKWOOL®

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South Wales CF35 6NY
t: 01656 868490
technical.solutions@rockwool.co.uk

Drawing Title:
Fire Damper in solid wall
FireStop Compound

| Scale: | Date: | |
|---|---|---|
| NTS | AUG 18 | |
| Sheet Size: A3 | Drawn By: S.HIRONS | Checked By: R.WAKEFIELD |
| Drawing Number: SD-115-RW | | Revision: C |

INSTALLATION NOTES

1. Make sure that the area within the aperture is clean of any debris and remove any dust from the edges.

2. Ensure that the Damper is independently supported in accordance with the manufacturer's guidelines and within a suitable HEVAC frame.

3. Cut and friction fit a 50 mm Rockwool slab (minimum density 140 kg/m3) between the damper casing and concrete floor.

4. Firestop Compound is then trowelled over the shutter to a depth of 25mm thick, which is then allowed to cure.

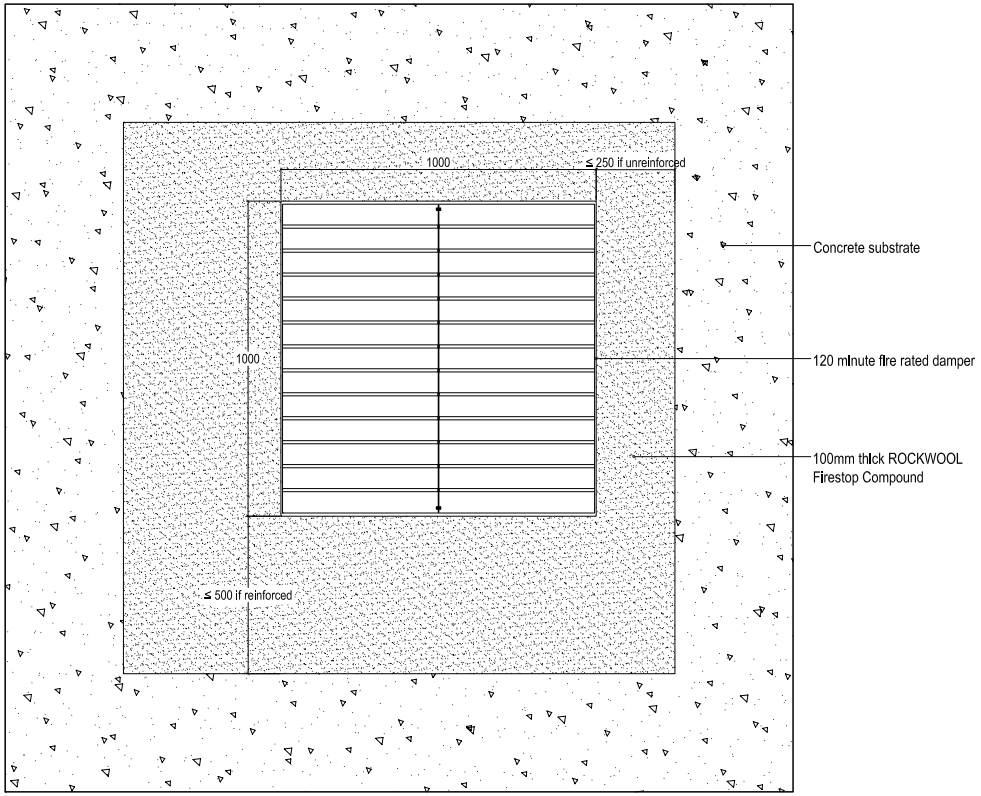
5. Further Firestop Compound is then mixed to a pouring grade and tops up the seal to the required 100 mm depth.

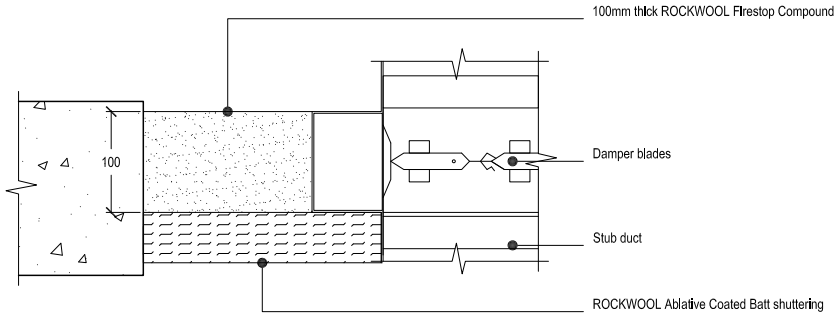
**ReInforcement**

Reinforcing of the compound requires either 12mm diameter bars or 40mm (high)x 60mm steel angle fixed across the short span of the aperture. The bars should be installed at 200mm centres across the aperture and may be installed such that they are recessed into the surrounding structure by minimum 50mm on both sides or supported on an steel angle securely fixed to the structure.

Steel angle reinforcement shall be installed at 250mm centres and shall be bolted back to supporting angle, which is fixed back to the structure. The support angle for rod or angle reinforcement shall be 40mm x 60mm x 2.0mm and shall be securely fixed back to the structure with nominally 8mm steel anchor bolts at a maximum of 200mm centres or with 65mm x 6mm Steel nail-in fixings at 300mm centres.

In all instances the reinforcement shall be positioned approximately 30mm above the bottom surface of the compound to ensure adequate fire protection from below. Contact ROCKWOOL technical for further information.




## ROCKWOOL Standard Detail:

Supporting Test Data : BRE 286542 B / WF 363798

The concrete floor slab must be capable of supporting the damper and achieving the required 120 minutes Fire Rating as detailed within this drawing.

Aperture Size: The maximum damper size is 1000mm x 1000mm. The maximum annular space for un-reinforced compound seals around the damper is 250 mm. The maximum reinforced annular space around the damper is 500 mm.

The damper assembly MUST be installed in accordance with HVCA document DW/145 and installed within a suitable HEVAC frame.

Under the CPR it is a requirement that Dampers are CE marked and as such that they are installed (and fire stopped) in line with their data sheets. With recent guidance damper manufacturers can now provide a tested Firestopping solution for around their dampers systems. Therefore ROCKWOOLS default position is to guide the Client or Installer to contact the Damper manufacturer for their tested firestopping solution.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

| Integrity Performance: | Insulation Performance: |
|---|---|
| 120 Minutes | - |


ROCKWOOL

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technical.solutions@rockwool.co.uk


Drawing Title:
Fire Damper in concrete floor
FireStop Compound

| Scale: | Date: | |
|---|---|---|
| NTS | AUG 18 | |
| Sheet Size: A3 | Drawn By: S.HIRONS | Checked By: R.WAKEFIELD |
| Drawing Number: SD-114-RW | | Revision: C |

INSTALLATION NOTES

1. Make sure that the area within the aperture is clean of any debris and remove any dust from the edges.

2. Install the Rockwool Ablative Coated Batts either vertically or using a stretcher bond pattern up to a maximum aperture size of 400mm x 6m.

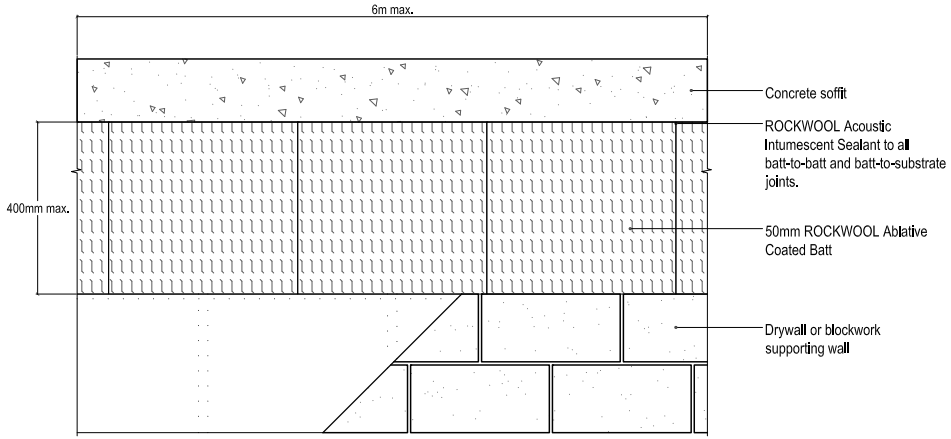
3. Apply Rockwool Acoustic Intumescent Sealant to the outer edges of the batt to seal the joints between batts and supporting substrates.

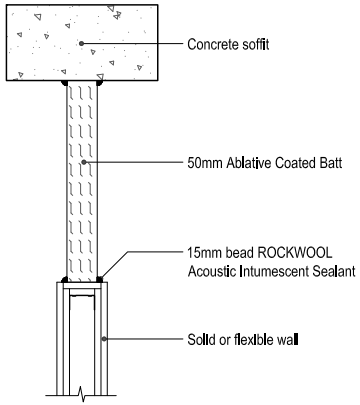
4. Continue installation until the aperture is completely filled.

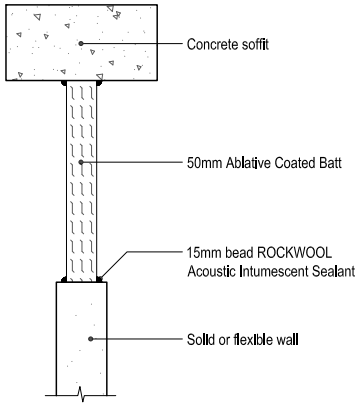
5. Apply a bead of Rockwool acoustic intumescent sealant, approximately 15 mm wide, around the perimeter of the batt ensuring that all gaps between the batt and surrounding edges are fully filled.

6. Repeat step 5 on the other side of the batt

7. Repair any damage to the coating which may have occurred during installation by brush applying Rockwool ablative coating.




## ROCKWOOL Standard Detail:

Supporting Test Data : WF 335645 Issue 3

Maximum Opening Size: 400mm High x 6m long

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

Flexible wall constructions must be installed in accordance with the manufacturer's guidelines with the aperture being fully framed and lined out. The wall construction should be of a minimum thickness of 100mm.

For service penetrations refer to single layer 50mm ablative coated batt penetration seal detail SD-112-RDW.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 60 Minutes | Up to 60 Minutes |


ROCKWOOL

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t: 01656 868490
technical.solutions@rockwool.co.uk


Drawing Title:
50mm Ablative Coated Batt:
Single Layer Head of Wall

| Scale: | Date: | |
|---|---|---|
| NTS | DEC 18 | |
| Sheet Size: A3 | Drawn By: S.HIRONS | Checked By: R.WAKEFIELD |
| Drawing Number: SD-126-RW | | Revision: C |

INSTALLATION NOTES

1. Make sure that the area within the aperture is clean of any debris and remove any dust from the edges.

2. Install the Rockwool Ablative Coated Batts either vertically or using a stretcher bond pattern up to a maximum aperture size of 1200mm x 20m.

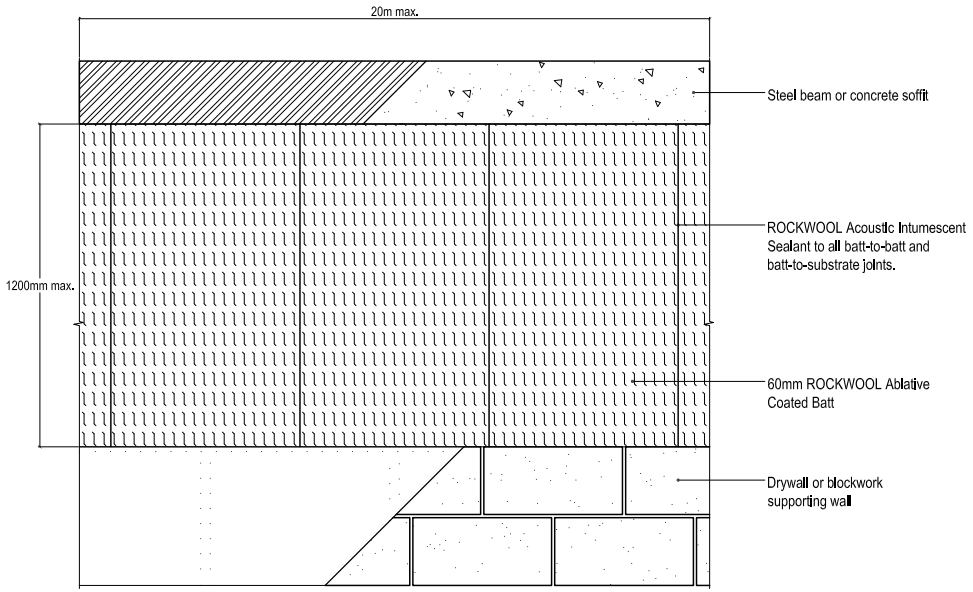
3. Apply Rockwool Acoustic Intumescent Sealant to the outer edges of the batt to seal the joints between batts and supporting substrates.

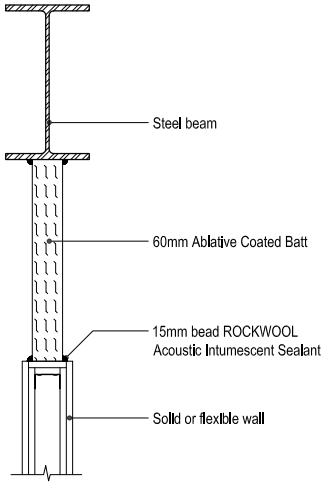
4. Continue installation until the aperture is completely filled.

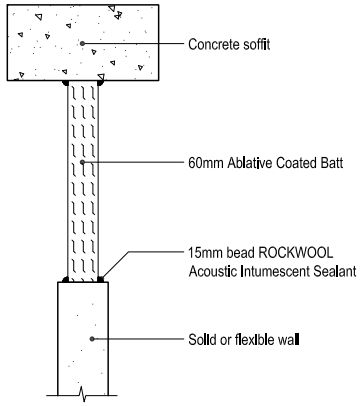
5. Apply a bead of Rockwool acoustic intumescent sealant, approximately 15 mm wide, around the perimeter of the batt ensuring that all gaps between the batt and surrounding edges are fully filled.

6. Repeat step 5 on the other side of the batt

7. Repair any damage to the coating which may have occurred during installation by brush applying Rockwool ablative coating.




## ROCKWOOL Standard Detail:

Supporting Test Data : WF 311319

Maximum Opening Size: 1200mm High x 20M long

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

Flexible wall constructions must be installed in accordance with the manufacturer's guidelines with the aperture being fully framed and lined out. The wall construction should be of a minimum thickness of 100mm.

For service penetrations refer to single layer 60mm ablative coated batt penetration seal detail SD-106-RDW.

Where the Ablative Coated Batt forms a seal up to a structural beam, which has been protected with intumescent paint then an Insulation rating cannot be given (due to heat transfer through the steel). For applications requiring an insulation rating from the beam then please contact Rockwool Technical for Rockwool Beamclad solutions.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 60 Minutes | Up to 60 Minutes |


ROCKWOOL

Pencoed, Bridgend,
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technical.solutions@rockwool.co.uk


Drawing Title:
60mm Ablative Coated Batt:
Single Layer Head of Wall

| Scale: | Date: | |
|---|---|---|
| NTS | AUG 18 | |
| Sheet Size: A3 | Drawn By: S.HIRONS | Checked By: R.WAKEFIELD |
| Drawing Number: SD-125-RW | | Revision: C |

GENERAL REQUIREMENTS

Supporting wall structures must have a minimum density of 400 kg/m3

The supporting substrates must have a Fire Resistance performance equal to or greater than that required by the Firestop.

The Joint height from the top of the wall to the underside of the floor slab shall not be greater than the thickness of the wall. The Firestop shall be the same depth of the wall.

INSTALLATION NOTES

1. Ensure the opening is clean and free of any debris.

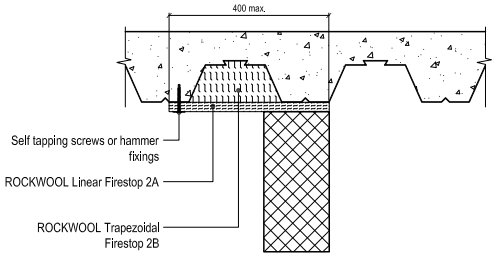
2. Linear Firestop 2A must be fitted as rectangular pieces, tightly butt jointed and compressed by at least 5% thickness.

3. Up to 3 layers may be used. All layers shall be installed simultaneously. The height of the void shall not exceed the width of the Firestop.

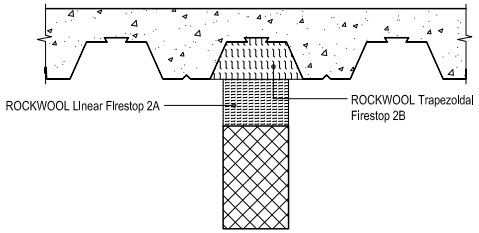
3. Small (nom 10mm) holes should be filled with Rockwool Acoustic Intumescent Sealant.

4. Trapezoidal Firestop 2B shall be ordered to suit the profile type. The Firestop shall be installed under a tight fit.

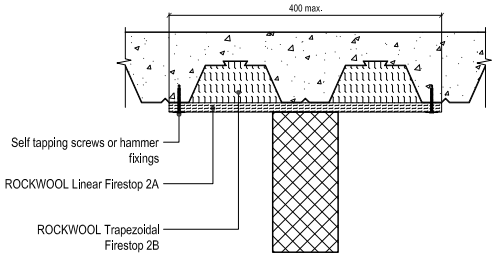
5. Dovetail Infill Firestop Strip shall are supplied as narrow rectangular strips for a pinched installation into the nominated dovetail shaped deck. The Firestop shall be installed with vertical laminations.



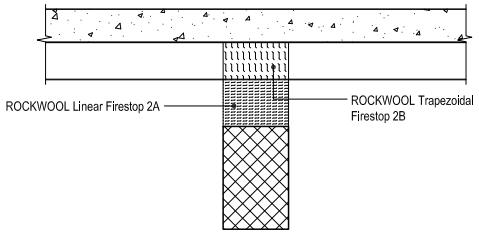

SINGLE DECK PROFILE RUNNING IN LINE, BUT ASYMMETRICAL, WITH THE WALL LINE



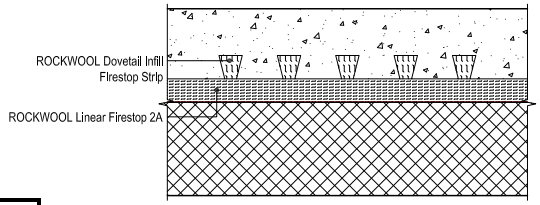

DECK PROFILE RUNNING IN LINE WITH THE WALL



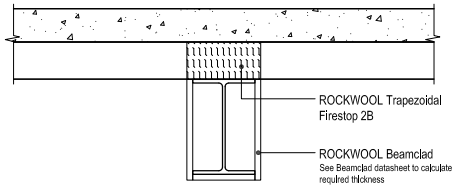

TWO DECK PROFILES RUNNING IN LINE, BUT ASYMMETRICAL, WITH THE WALL LINE




DECK PROFILE RUNNING ACROSS THE WALL




DOVETAIL INFILL FIRESTOP STRIPS RUNNING OVER LINEAR FIRESTOP 2A




DECK PROFILE RUNNING ACROSS A SUPPORTING STEEL BEAM WITH BOX PROTECTION

| Wall Thickness | Integrity & Insulation |
|---|---|
| | 2A with 2B |
| 100mm | 2 hours |
| 150mm | 3 hours |
| 200mm | 4 hours |

(Note: The above ratings are based on a masonry wall construction with density of 400kg/m³)



**ROCKWOOL Standard Detail:**

Supporting Test Data : CC 295758

For Air Seal paint linear fire stop with ROCKWOOL Ablative Coating.

This product should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| See table | See table |

ROCKWOOL

Pencoed, Bridgend,
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Drawing Title:
Linear & Trapezoidal Firestop Systems

| Scale: | Date: | |
|---|---|---|
| NTS | NOV 18 | |
| Sheet Size: | Drawn By: | Checked By: |
| A3 | S. HIRONS | R.WAKEFIELD |
| Drawing Number: | | Revision: |
| SD-134-RW | | C |

ROCKWOOL Acoustic Intumescent Linear Joint Seal Performance Tables:

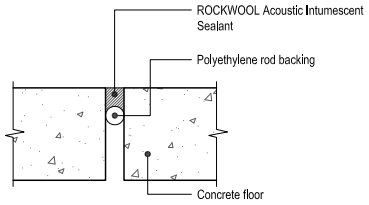
| Vertical or Horizontal Seals between masonry/concrete | | | | |
|---|---|---|---|---|
| Seal Depth (mm) | Backing Material | Gap Width | | |
| | | Integrity & Insulation (Minutes) | | |
| | | 15mm | 30mm | 50mm |
| 15 | Polyethylene rod | 240 | 240 | 120 |
| 15 | Rock fibre | 240 | 240 | 120 |
| 30 | Polyethylene rod | 240 | 240 | 120 |
| 30 | Rock fibre | 240 | 240 | 120 |

| Vertical or Horizontal Seals between masonry and Hardwood | | | | |
|---|---|---|---|---|
| Seal Depth (mm) | Backing Material | Gap Width | | |
| | | Integrity & Insulation (Minutes) | | |
| | | 15mm | 25mm | 50mm |
| 15 | Polyethylene rod | 60 | 30 | NA |
| 15 | Rock fibre | 60 | 30 | NA |
| 25 | Polyethylene rod | 90 | 90 | 90 |
| 25 | Rock fibre | 90 | 90 | 90 |

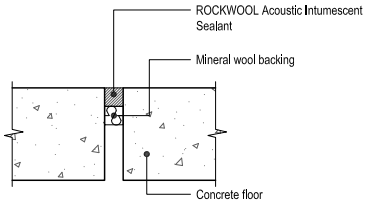
| Vertical or Horizontal Seals between masonry and Steel | | | | |
|---|---|---|---|---|
| Seal Depth (mm) | Backing Material | Gap Width | | |
| | | Integrity & (Insulation) Minutes | | |
| | | 15mm | 25mm | 50mm |
| 12 | Polyethylene rod | 240 (30) | 120 (30) | NA |
| 12 | Rock fibre | 240 (30 | 120 (30 | NA |
| 30 | Polyethylene rod | 240 (60) | 120 (60) | 90 (60) |
| 30 | Rock fibre | 240 (60) | 120 (60) | 90 (60) |

| Vertical or Horizontal Seals between masonry and Softwood | | | |
|---|---|---|---|
| Seal Depth (mm) | Backing Material | Gap Width | |
| | | Integrity & Insulation (Minutes) | |
| | | 15mm | 25mm |
| 15 | Polyethylene rod | 60 | 30 |
| 15 | Rock fibre | 60 | 30 |

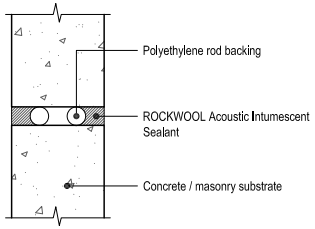
| Vertical seals between masonry and plasterboard | | | |
|---|---|---|---|
| Seal Depth (mm) | Backing Material | Gap Width | |
| | | Integrity & Insulation (Minutes) | |
| | | 15mm | 25mm |
| 10 | Rock fibre | 120 | 120 |



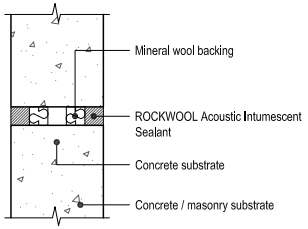

HORIZONTAL SEAL BETWEEN MASONRY/CONCRETE WITH ACOUSTIC INTUMESCENT SEALANT AND POLYETHYLENE ROD BACKER



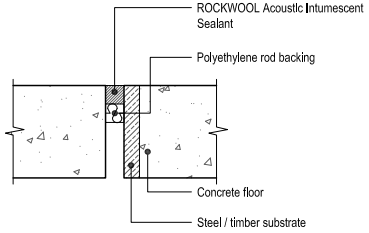

HORIZONTAL SEAL BETWEEN MASONRY/CONCRETE WITH ACOUSTIC INTUMESCENT SEALANT AND MINERAL WOOL BACKER



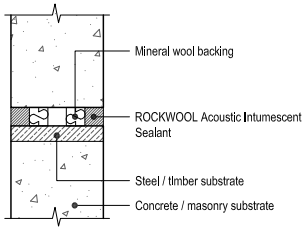

VERTICAL SEAL BETWEEN MASONRY/CONCRETE WITH ACOUSTIC INTUMESCENT SEALANT AND POLYETHYLENE ROD BACKER



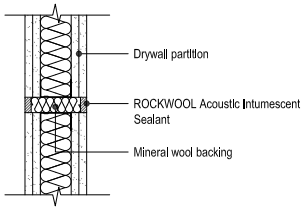

VERTICAL SEAL BETWEEN MASONRY/CONCRETE WITH ACOUSTIC INTUMESCENT SEALANT AND MINERAL WOOL BACKER



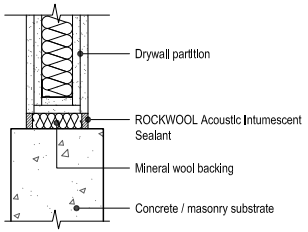

HORIZONTAL SEAL BETWEEN MASONRY AND TIMBER WITH ACOUSTIC INTUMESCENT SEALANT AND MINERAL WOOL BACKER




VERTICAL SEAL BETWEEN MASONRY AND TIMBER WITH ACOUSTIC INTUMESCENT SEALANT AND MINERAL WOOL BACKER




VERTICAL SEAL BETWEEN PLASTERBOARD AND PLASTERBOARD WITH ACOUSTIC INTUMESCENT SEALANT AND MINERAL WOOL BACKER
(Refer to vertical seals between masonry & plasterboard)




VERTICAL SEAL BETWEEN MASONRY AND PLASTERBOARD WITH ACOUSTIC INTUMESCENT SEALANT AND MINERAL WOOL BACKER

## ROCKWOOL Standard Detail:

Supporting Test Data : ROCKWOOL ETA15-0327 / CF5577

Where ROCKWOOL insulation is to be used as a backing material then the depth of material to achieve the detailed fire ratings is the width of the joint +10mm.

Movement Accommodation: +/- 12% of Joint Width

All surfaces must be thoroughly cleaned and free of bond breaking contaminants prior to application of the sealant.

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| See Table | See Table |


ROCKWOOL

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technical.solutions@rockwool.co.uk


Drawing Title:
Acoustic Intumescent Sealant Joint Seals

| Scale: | Date: | |
|---|---|---|
| NTS | NOV 18 | |
| Sheet Size: A3 | Drawn By: S. HIRONS | Checked By: R.WAKEFIELD |
| Drawing Number: SD-137-RW | | Revision: C |

INSTALLATION NOTES

1). Measure the width of the Linear Joint to be sealed.

2). Cut the FIREPRO® SoftSeal Linear Joint Seal up to 25% larger than the joint width, so when installed the seal is under compression.

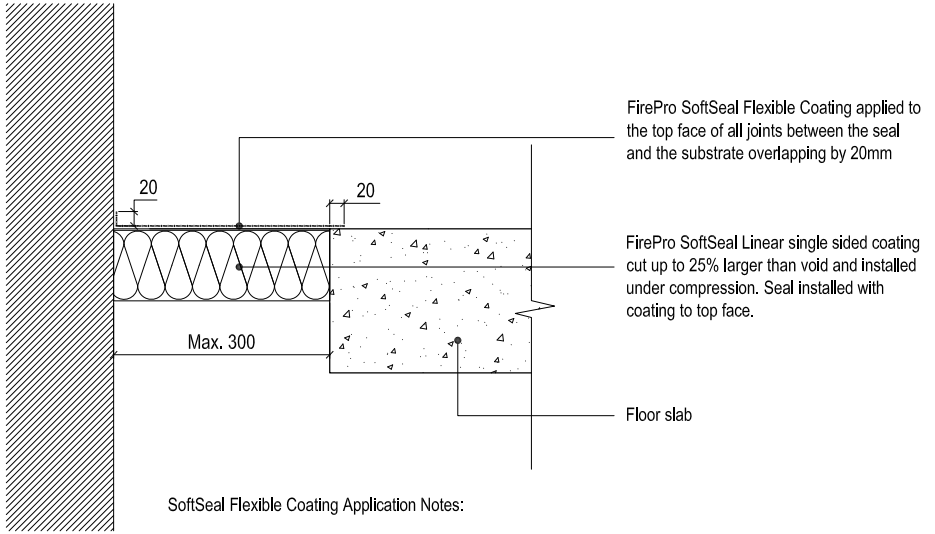
3). Ensure substrate is clean and free of dust and debris.

4). Install the FIREPRO® SoftSeal Linear Joint Seal with the coating on the top surface. (Double sided coatings are available)

5). Apply FIREPRO® SoftSeal Flexible Coating to top face of all butt joints between pieces of SoftSeal Linear Joint Seal.

6). Apply FIREPRO® SoftSeal Flexible Coating to top face of all joints between the seal and the substrate, overlapping by 20mm.

7). Apply FIREPRO® SoftSeal Flexible Coating across the face of all butt joints between sections of Soft Seal Linear Joint Seal.




SoftSeal Flexible Coating Application Notes:

1) Apply FirePro SoftSeal flexible coating to the top face of all joints between the seal and the substrate.
2) Apply FirePro soft seal Flexible Coating to the top face of all butt joints between pieces of SoftSeal Linear Joint Seal.



## ROCKWOOL Standard Detail:

Supporting Test Data : WF 341623 B

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

As part of the testing to BS EN 1366-4, FIREPRO SoftSeal was assessed for its movement capabilities, prior to conducting the fire test. The product was tested to accommodate movement (expansion and contraction) of +/-25%.

Linear joint widths of up to 350mm can be accommodated with the inclusion of steel Z brackets. For more advice please contact ROCKWOOL technical.

Soft Seal Linear Joint Seal can be supplied on either one or both sides.(Single Sided for Horizontal Applications. Double sided for Vertical Applications).

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 240 Minutes | Up to 120 Minutes |

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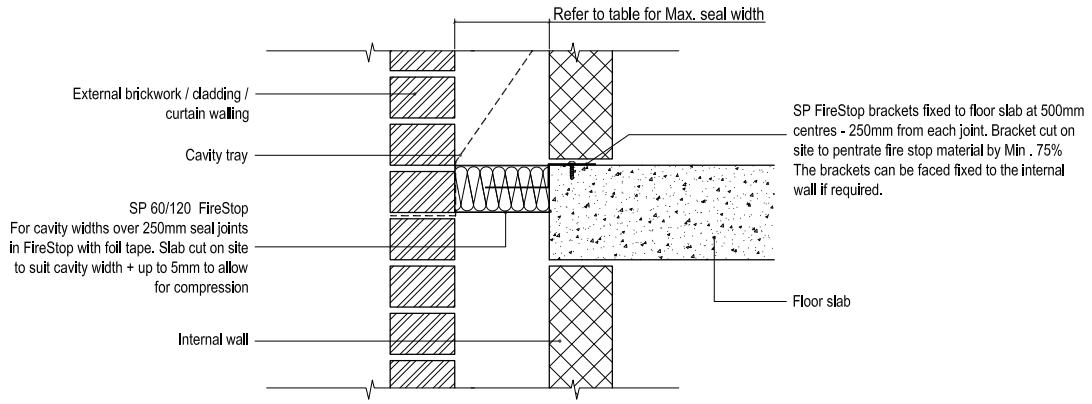
technical.solutions@rockwool.co.uk

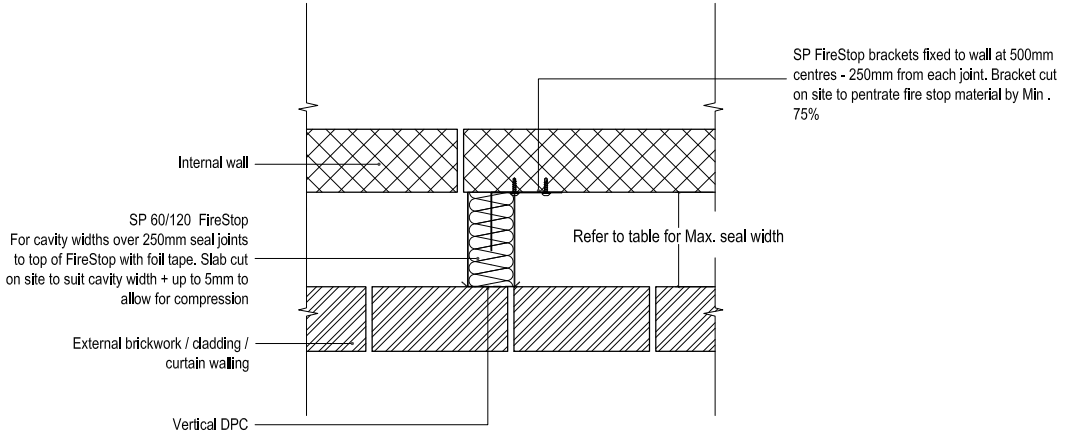
Drawing Title:
FirePro SoftSeal Vertical Seal:
Linear Joints seal horizontal & vertical

| Scale: | Date: | |
|---|---|---|
| NTS | 07.12.17 | |
| Sheet Size: | Drawn By: | Checked By: |
| A3 | RW TECH | R.WAKEFIELD |
| Drawing Number: | | Revision: |
| SD-160-RDW | | A |

NOTE: FOR EXTENDED CAVITY WIDTHS OF 600mm - 1000mm
PLEASE CONTACT ROCKWOOL TECHNICAL FOR DETAILS




HORIZONTAL ROCKWOOL SP FIRESTOP




VERTICAL ROCKWOOL SP FIRESTOP
(Contact ROCKWOOL Technical for SP 120 vertical applications)

SP Slab Performance Table:

| Product | Seal Width (mm) | SP Brackets | Orientation | Performance |
|---|---|---|---|---|
| SP60 | 50 - 400 | 50-100 SP/S -100-400 SP/L | Horizontal & Vertical | EI 60 |
| SP120 | 50 - 400 | 50-100 SP/S -100-400 SP/L | Horizontal & Vertical | EI 120 |
| SP Plus | 401 - 600 | SP/XL | Horizontal & Vertical | EI 120 |
| SP Plus | 601 - 1000 | SP/XL | Horizotal | EI 60 |

Contact ROCKWOOL Technical for:
Brickwork support penetrations through SP Slab
Pipe penetrations through SP Slab



## ROCKWOOL Standard Detail:

Supporting Test Data : BRE 89697_Rev 6 & WF 393583

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

For further details on Curtain Walling & Cladding applications please refer to the SP FireStop product data sheet.

For detail of SP120 as a vertical seal please contact ROCKWOOL Technical

For cavity widths of 250mm or more joints between adjacent lengths of SP Firestop Slab should be sealed on the top surface with foil tape.

For penetrations through SP slab as a horizontal barrier please contact ROCKWOOL Technical.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| Up to 120 Minutes | Up to 120 Minutes |

ROCKWOOL
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technical.solutions@rockwool.co.uk

Drawing Title:
FirePro SP Slab:
Linear Joints seal horizontal & vertical

| Scale: | Date: | |
|---|---|---|
| NTS | May 2018 | |
| Sheet Size: A3 | Drawn By: RW TECH | Checked By: R.WAKEFIELD |
| Drawing Number: SD-230-RDW | | Revision: B |

INSTALLATION NOTES

1. Cut the ROCKWOOL SP Firestop Slab to suit the cavity size, ensuring a tight fit.

2. Measure the location of the masonry support bracket in relation to the SP Firestop Slab and carefully slit the SP Firestop, with a serrated blade, to tightly accommodate the masonry support bracket.

3. The masonry support bracket should only impale the SP Firestop Slab by 50% of the firestop thickness.

4. Bend the SP Fixing Brackets into a suitable profile, either Z-shape or L-shape.

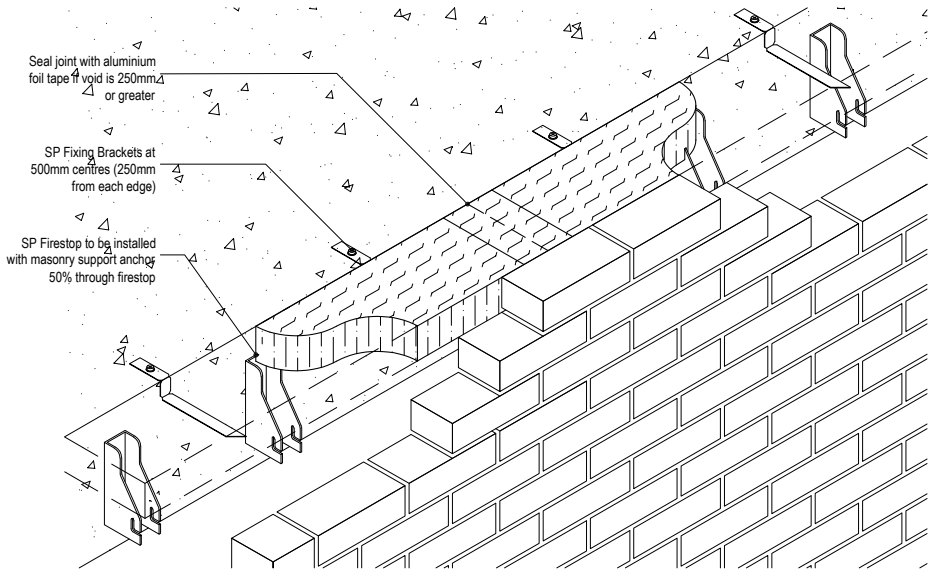
5. Impale the SP Fixing Brackets into the SP Firestop at mid-depth, ensuring that the bracket penetrated though 75% of the span of the firestop. Space the SP Fixing Brackets at 500mm centres (a maximum of 250mm in from each edge).

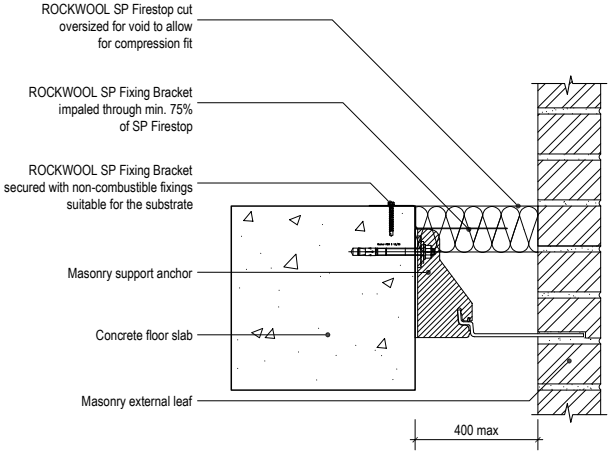
6. Install the SP Firestop Slab into the void.

7. Mechanically fix the SP Fixing Brackets with non-combustible fixings that are suitable for the substrate.

8. Repeat the previous steps with the next length of SP Firestop Slab ensuring both lengths of firestop are tightly abutted.

9. If the cavity width is greater than, or equal to, 250mm then the joints between adjacent lengths of SP Firestop Slab should be sealed on the top surface with aluminium foil tape.






## ROCKWOOL Standard Detail:

Supporting Test Data : WF 393583

This detail is to be read in conjunction with the ROCKWOOL SP Firestop data sheet specific installation instructions.

If the masonry support anchor penetrates the SP FIrestop by more than 50% contact ROCKWOOL Technical Services.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines. For further information please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490.

| SP60 Integrity Performance: | SP60 Insulation Performance: |
|---|---|
| 60 Minutes | 60 Minutes |
| **SP120 Integrity Performance:** | **SP120 Insulation Performance:** |
| 120 Minutes | 120 Minutes |

ROCKWOOL

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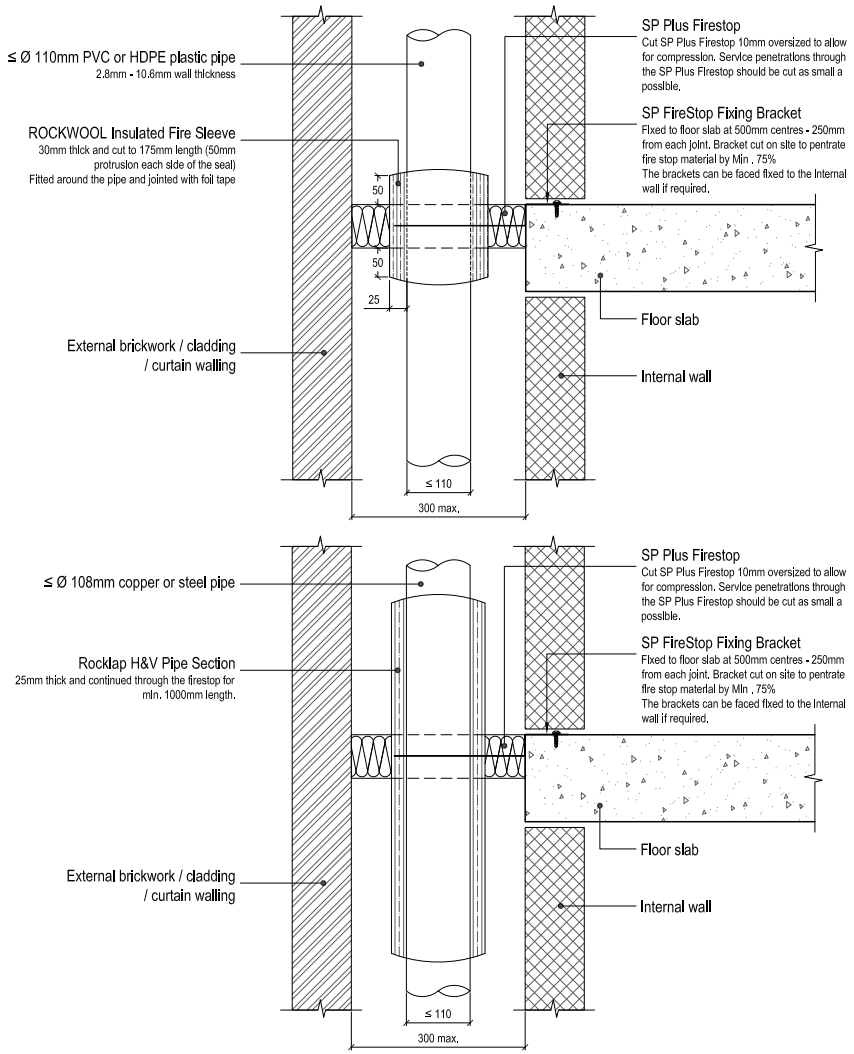
South Wales CF35 6NY
t: 01656 868490
technical.solutions@rockwool.co.uk

Drawing Title:
ROCKWOOL SP Firestop installed with masonry support anchor

| Scale: | Date: | |
|---|---|---|
| NTS | OCT 18 | |
| Sheet Size: A3 | Drawn By: S. HIRONS | Checked By: R.WAKEFIELD |
| Drawing Number: SD-235-RDW | | Revision: B |




| Service type | | Performance (mins) Integrity | Insulation | Test Standard | Service separation minimum (mm) Aperture | Services | Notes |
|---|---|---|---|---|---|---|---|
| PVC pipe | ≤Ø 40mm (1.9mm - 3mm wall)<br>Ø 41mm - 110mm (4.2mm - 6.6mm wall) | 120 | 90<br>60 | EN | 0 | 100 | Insulated Fire Sleeve wrapped around the pipes with 50mm projection to both sides of the seal. |
| HDPE pipe | ≤Ø 40mm (2.4mm - 3.7mm wall)<br>Ø 41mm - 110mm (2.7mm - 10mm wall) | 120 | 90<br>60 | | | | |
| Steel or copper pipe | ≤Ø 108 mm | 120 | 30 | | | | H&V Pipe Section installed 1m centrally through the seal. |



## ROCKWOOL Standard Detail:

Supporting Test Data : WF 405114

The supporting construction must be capable of achieving the required fire rating of the proposed Firestop.

For further details on Curtain Walling & Cladding applications please refer to the SP FireStop product data sheet.

For cavity widths of 250mm or more joints between adjacent lengths of SP Firestop Slab should be sealed on the top surface with foil tape.

For cavity widths larger than 300mm please contact our Technical Solutions Team.

These products should only be utilised for applications as outlined in the relevant ROCKWOOL product data sheet and in accordance with the relevant ROCKWOOL Fire Resistance Testing. Additionally the product must be installed in accordance with the current ROCKWOOL guidelines.

For further information or alternative products please visit www.rockwool.co.uk or contact our Technical Solutions Team on 01656 868490

| Integrity Performance: | Insulation Performance: |
|---|---|
| See Table | See Table |

ROCKWOOL®
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Drawing Title:
SP Plus Firestop
Service Penetration - Horizontal

| Scale: | Date: | |
|---|---|---|
| NTS | MAY 19 | |
| Sheet Size: A3 | Drawn By: S. HIRONS | Checked By: RW TECH |
| Drawing Number: SD-236-RW | | Revision: A |

July 2019

ROCKWOOL Limited

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(V7/JUL19)