

skywater®



**Draini®
Range**

→ Bituminous,
synthetic &
resin

**SOPREMA
PATENTED
SYSTEM**

RAINWATER
MANAGEMENT
SOLUTIONS

DRAINI®



DRAINI®

Draini® is a range of high-performance stormwater run-off solutions designed for flat roofs.



RAINWATER MANAGEMENT; BOTH A NECESSITY AND AN EVER-PRESENT CHALLENGE

To meet local authority rainwater management targets, **SOPREMA** has developed a comprehensive range to manage roof rainwater: **Skywater®**.



To find out more about **Skywater®** solutions, download the documentation available at soprema.co.uk.



SPECIFIC DESIGN

- The 600-mm long **Straight BTM** (bitumen) **Draini®** and **Flag** (synthetic) rainwater outlets are specially adapted for very thick insulation.



EXCEPTIONALLY RELIABLE

- The flanges on the **Draini®** range guarantee an even join with the waterproofing on the field membrane.
- No need to cut the corners on the flange.



ENVIRONMENTALLY-FRIENDLY

The **Draini®** range sets itself apart from traditional lead products by its use of substances that are both harmless to humans and to the environment.



FLEXIBLE AND PLIABLE

- **Draini®** systems are compatible with all types of supports and complex shapes. This is particularly useful when rainwater gutter outlets are difficult to access or awkwardly positioned.



SOLID

- The machining of the outlet pipe makes **Draini®** systems highly shock-resistant.



SAFE

- The tightness of the crimping on each **Draini®** product is vacuum tested.
- An indelible sticker on the pipe ensures product traceability.

DRAINI®, A COMPREHENSIVE RANGE

FOR ALL TYPES OF WATERPROOFING:
BITUMINOUS, SYNTHETIC AND RESIN

SOPREMA PATENTED SYSTEM

→ REDUCED collar width



**Save time on your construction site
with Draini® stormwater run-offs.**

No need for cold-applied primers.

**Guaranteed quality on your
construction sites.**

**Draini®: a perfect seal,
high shock-resistance with
no risk of deformation.**

DRAINI®, A COMPREHENSIVE RANGE



Standard 600 mm length for straight BTM (bitumen) and **Flag** (synthetic) stormwater run-offs*



Draini® Straight BTM Alu
Ø → 50, 63, 75, 85, 90, 95, 100, 110, 115, 120, 125, 145, 155, 195

Variable lengths depending on the size of the conical outlet pipe



Draini® Conical BTM Alu
Ø → 80/160, 95/190, 120/240, 145/290, 195/390

*Custom-designed lengths of 400 to 800 mm possible depending on volume requirements.



Draini® Straight TPO Alu Flag & Draini® Straight PVC Alu Flag
Ø → 63, 85, 95, 120, 145, 155, 195



Draini® Conical TPO Alu Flag & Draini® Conical PVC Alu Flag
Ø → 80/160, 95/190, 120/240, 145/290, 195/390



Standard 400 mm length*



Draini® Alsan®
Ø → 50, 63, 75, 95

SOLUTIONS AND PRODUCTS FOR TEMPORARY WATER RETENTION ON FLAT ROOFS

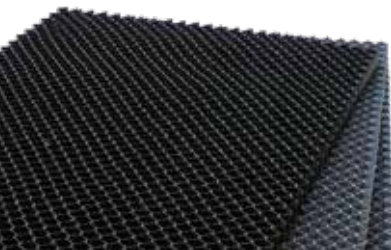


Soprema **SOLUTIONS** for managing rainwater on roofs: retention, storage and delayed drainage.

→ Download the **Skywater®** documentation available at soprema.co.uk.

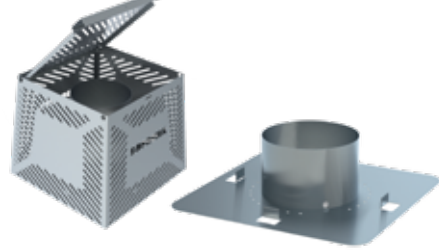


Retentio®, temporary rainwater retention system



Retentio® is a comprehensive procedure for the temporary storage of roof rainwater. Water on horizontal flat roofs fitted with the **Retentio®** system, is collected and regulated in an optimum manner.

Slowli®, continuous and regulated water drainage



Slowli® is a roof water flow limiting device designed to regulate water flow upstream of sewerage systems. It can function independently or in conjunction with other products from the SOPREMA **Skywater® range**. The **Slowli®** system limits any blockage of sewerage systems when there is heavy rainfall.

BITUMINOUS WATERPROOFING*

Example of installation on a load-bearing masonry structure with SOPREMA **double-layer elastomeric self-protecting SBS waterproofing membrane**.

- 1- Primer
- 2- Vapour barrier
- 3- Adhesive
- 4- **Efigreen® Alu +** insulation
- 5- Area cut out of insulation
- 6- 1st layer of SOPREMA **waterproofing membrane**
- 7- The **Draini® BTM Alu** flange is welded onto the first waterproofing layer.
- 8- 2nd layer of SOPREMA **waterproofing membrane**



Tools required

- Gauging trowel
- Welding torch
- Stick for roofing technicians
- Safety gloves
- Safety goggles

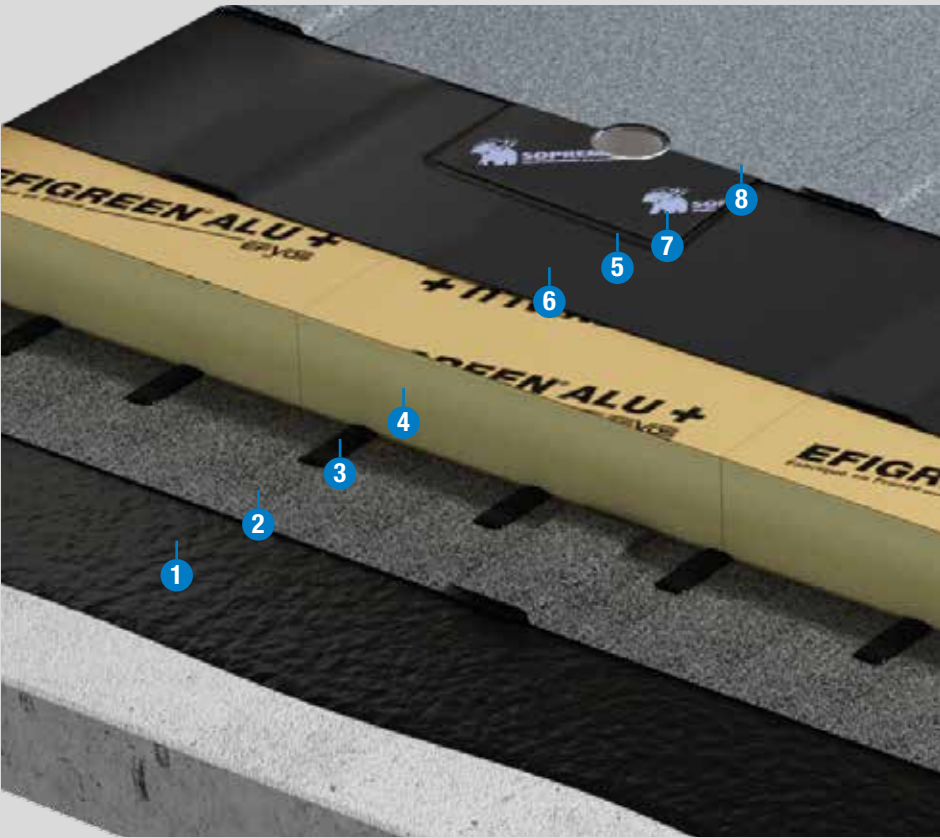
INSTALLATION*



1- Insert the **Draini®** stormwater run-off into the drain pipe after applying the 1st layer of the waterproofing system.



4- Use the gauging trowel to consolidate the weld seams of the flange with the 1st waterproofing layer.



2- Fold the flange over.



5- Apply the second waterproofing layer by thermo-welding whilst completely covering the **Draini®** gutter outlet.



3- Weld the flange onto the 1st waterproofing layer.



6- Allow the waterproofing layer to cool down for a few minutes and then carefully cut out the hole for the stormwater run-off using the gauging trowel.

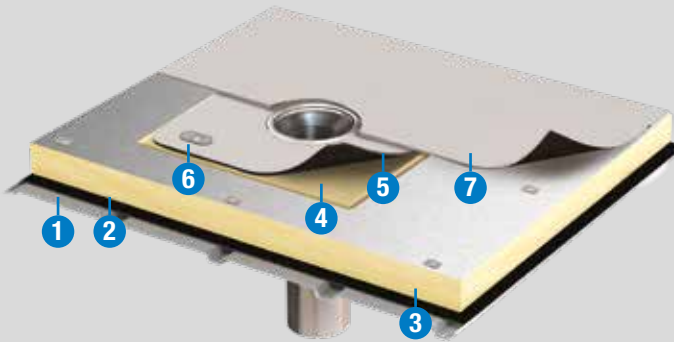
*For other scenarios: please refer to the technical documentation available at www.soprema.co.uk

** In this example, **Straight BTM Alu Draini®**.

SYNTHETIC WATERPROOFING*

Example of a non fleeced membrane

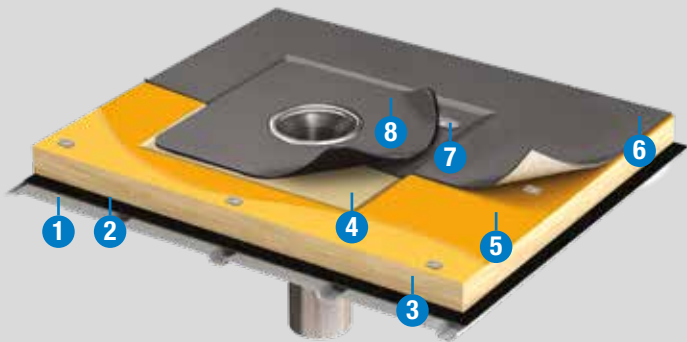
For a non fleeced membrane, the waterproofing layer of the membrane is welded onto the **Draini® Flag TPO Alu** or **Draini® Flag PVC Alu** flange.



- 1- Load-bearing structure
- 2- Vapour barrier (if required)
- 3- Insulation fixed mechanically
- 4- Area cut out of the insulation
- 5- **Draini® Flag TPO Alu** or **Draini® Flag PVC Alu** fixed onto the insulation mechanically
- 6- Mechanical fastenings (x4) of the **Draini® Flag TPO Alu** or **Draini® Flag PVC Alu** flange
- 7- Waterproofing layer of the field membrane:
 - in **TPO: Flagon® EP/PR** or **EP/PV**
 - in **PVC: Flagon® SV** or **SR**

Example of a membrane with a fleeced underside

In the case of a fleeced membrane, the **Draini® Flag TPO Alu** or **Draini® Flag PVC Alu** gutter outlet is welded onto the waterproofing.



- 1- Load-bearing structure
- 2- Vapour-barrier (if required)
- 3- Insulation is mechanically fixed or bonded, depending on the coating
- 4- Area cut out of the insulation
- 5- **Flexocol W/LV** depending on the coating
- 6- Waterproofing layer of the field membrane:
 - in **TPO: Flagon® EP/PV-F** or **EP/PR-F**
 - in **PVC: Flagon® SFc** or **Flagon® SRF**
- 7- Mechanical fastenings (x4) of the membrane as close as possible to the drain pipe
- 8- **Draini® Flag TPO Alu** or **Draini® Flag PVC Alu** welded onto the felted membrane of the field membrane

INSTALLATION*



1- Cut out an area in the insulation.



2- Insert **Draini® Flag** into the drain pipe after laying the waterproofing layer, only for felted membranes.



3- Mechanically attach the **Draini® Flag** flange. One fastening on each corner.



4- Thermal weld



4- Check the welding using a **Flag Welding Tester**.



- Tools required
- **Leister** (welding tool for plastic materials),
 - Roller
 - Flag Welding Tester
 - Safety gloves
 - Safety goggles

*For other scenarios: please refer to the technical documentation available at www.soprema.co.uk

LIQUID WATERPROOFING*

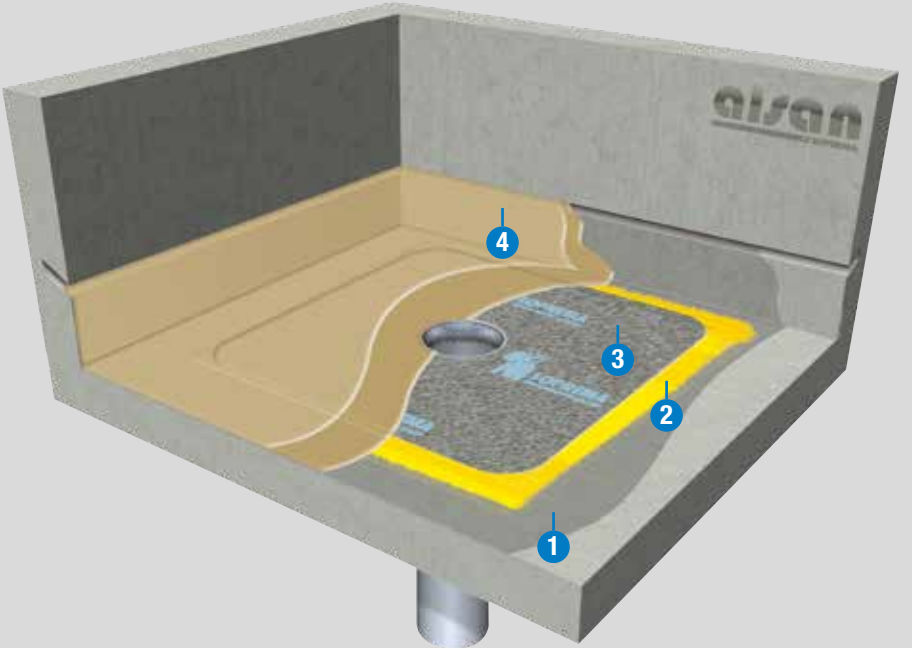
Example of installation on a load-bearing masonry structure using a liquid waterproofing system.

- 1- Primer (depending on the waterproofing system)
- 2- Adhesive depending on the PU or PMMA system
- 3- **Draini® Alsan®**
- 4- **Alsan®** waterproofing system



Tools required

- Paint brush
- Roller brush
- Filling knife
- Safety gloves
- Safety goggles



INSTALLATION*



1- Cut out an area 35 cm x 35 cm, then cut a chamfered edge at the outlet point.



2- Prime the whole surface area of the substrate according to the waterproofing system specifications.



3- Once dry, apply a layer of **Alsan PMMA** or **PU primer** for the surface. Then **Alsan PMMA 770TX** or **Alsan 601 PU coating**



4- Insert the **Draini Alsan®** pipe into its groove.



5- Smooth out the material.



6- Apply the **Alsan®** waterproofing system as far as the opening.

*For other scenarios: please refer to the technical documentation available at www.soprema.co.uk

SOPREMA at your service:

Do you have a question about a specific project, the products or application possibilities? Then contact our technical team.

All information can be found on:
www.soprema.co.uk

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