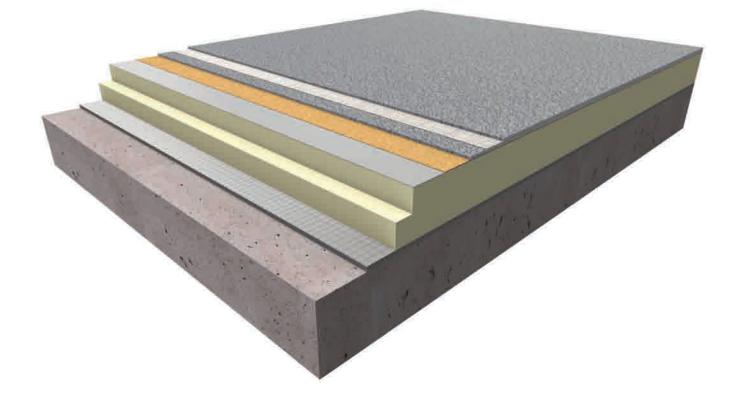
Uniclass					
JJ31					
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OVERVIEW

ParaFlex

ParaFlex is a fast curing, cold applied polyester resin waterproofing system. It is 'wet on wet' between layers so it doesn't need to be left to cure between coats. This means a faster application to give a continuous monolithic material.

Unlike some cold applied systems ParaFlex can be applied at temperatures below zero and reliable sealing can even be done at -5°C. It can be installed with zero falls, comes with a durability statement in excess of 35 years for exposed conditions, and a lifetime durability statement when used for protected (inverted) roofs.

ParaFlex is used for a wide range of waterproofing applications such as:

- Cold roofs
- Inverted roofs
- Green roofs
- Overlay applications
- Walkways
- Balconies

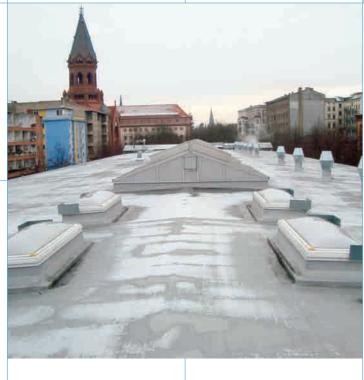


ParaFlex can be applied to a variety of flat waterproofing systems that have either failed or need to be thermally upgraded to comply with current legislation. It provides a quick, low cost solution with minimal disruption.

30 year material and labour guarantee



ParaFlex is available in black or light grey as standard and is engineered to defend against ultra violet (UV) radiation. Additional colours are available if required.



ParaFlex has a hard wearing surface that can be used in exposed situations. The final coat can have a scattering of coloured micro chips for a pleasing aesthetic or a covering of kiln dried sand can be set into the top layer to delineate a walkway or provide a textured surface.

Fast, easy application

ParaFlex can also be used to provide long lasting waterproofing to water features, fountains or any structure designed to hold and retain water.



ParaFlex is a fully adhered membrane and therefore achieves a total bond to whatever surface or substrate you need to waterproof.



Applications

- Flat roofs
- Pitched roofs
- Vertical surface
- Complicated structures such as domes and barrel-vault roofs
- Penetrations, such as fan and pipe ducts, plant support footings, roof-lights and chimneys
- Water features
- Plant rooms
- Balconies

ParaFlex is root resistant and therefore ideal when specified for roof gardens, especially where the integrity of the waterproofing system is imperative given the inaccessibility of the membrane once installed.



Warranty and Approved Contractors

Radmat maintains an approved contractor service throughout the UK. All contractors are trained to install ParaFlex and each site operative will be registered and individually reviewed every 18 months. This will ensure that the highest standards of workmanship are achieved. For more information contact Radmat technical services.

Key Benefits

- Simple and fast application
- No curing time required between coats
- Foot traffic is possible within 30 mins
- 'Wet on wet' system giving continuous, monolithic seal
- Can be applied at temperatures as low as -5°C
- Can be installed with zero falls
- Suitable for warm roofs
- 35 year durability statement for exposed conditions
- Lifetime durability statement for protected roofs
- Suitable for vertical applications and complex shapes and details
- Suitable for green roof and roof garden applications
- Root resistant
- Will accommodate minor movement without damage
- Suitable for light foot traffic and light concentrated loads
- BBA Certified

Guarantee

ParaFlex has been independently certified by the BBA. It has been applied within the United Kingdom and mainland Europe and has decades of proven performance. Radmat approves a selected group of experienced roofing contractors to install ParaFlex which are registered only when full training has been given. Radmat guarantee the performance of ParaFlex and the installed workmanship for 30 years.



ParaFlex is certified by the BBA to last the lifetime of the structure in which it is incorporated

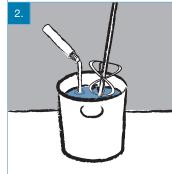
INSTALLATION

ParaFlex is an unsaturated polyester resin that can be laid in temperatures as low as -5°C. It is used with either a polyester non-woven fabric mesh or a fibreglass mat which acts as a reinforcement layer. The result is a continuous monolithic seal which prevents moisture ingress.

Installation

Prepare the material

Stir the white catalyst powder into the resin and allow to dissolve for approx. 15 mins.



Substrates

pieces of material.

The substrates must be free

from oil and dust, with no loose

1.

Add the white cap resin accelerator to activate the curing process. Only add the accelerator when you are about to apply the product to the primed roof area.

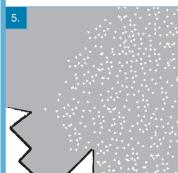


Ensure all air pockets are removed during the installation by rolling towards the edges of the fleece.

Note: In laying the fleece ensure an overlap of at least 50mm is made. ParaFlex is rainproof after 20 mins and can take light foot traffic in 30 mins.



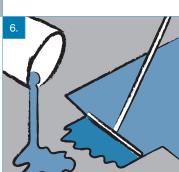
Rainproof after 20 mins



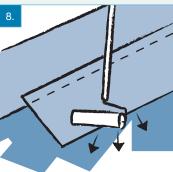
Immediately after the application of the primer a layer of kiln dried sand is hand scattered into the curing liquid to create a strong, coarse surface. This provides a powerful key for the ParaFlex.

Waterproofing

The first layer of ParaFlex is applied to the primed surface and spread evenly using a fleece roller.



A polyester fleece is then embedded in the wet ParaFlex resin. The final coat of ParaFlex can then be applied making sure the finished surface is even and smooth.



Optional surface treatment

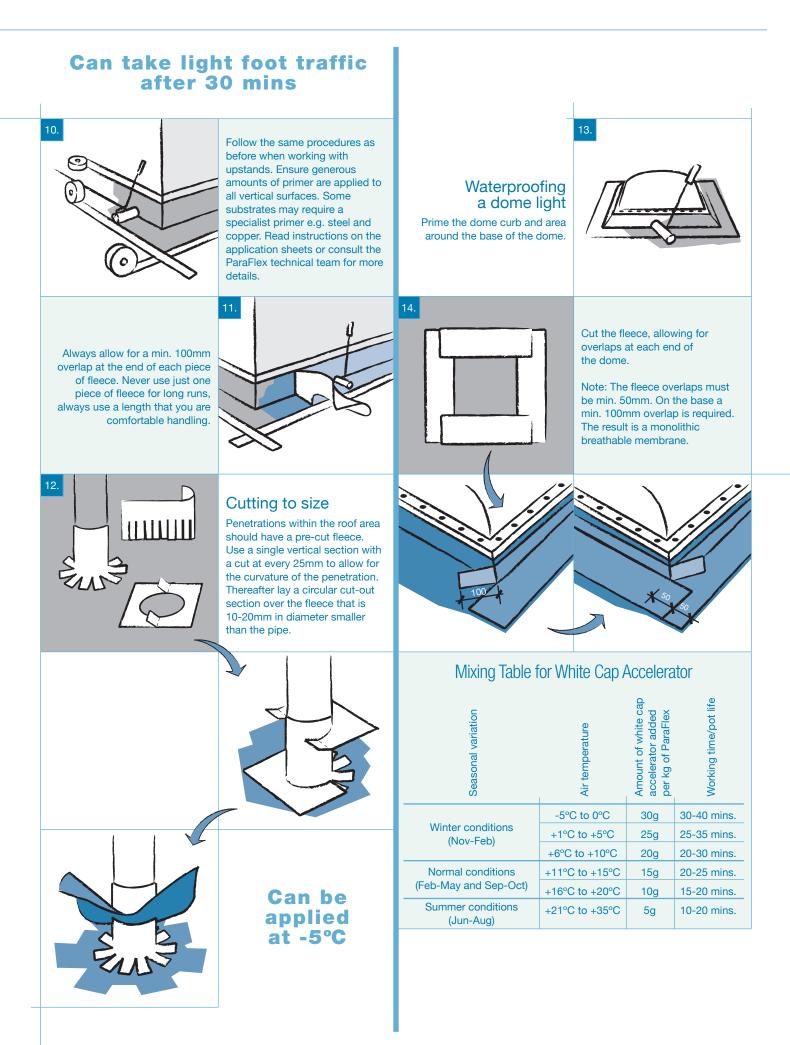
A solid colour can be added, or microchip flakes can be scattered into the surface for a pleasing aesthetic finish.



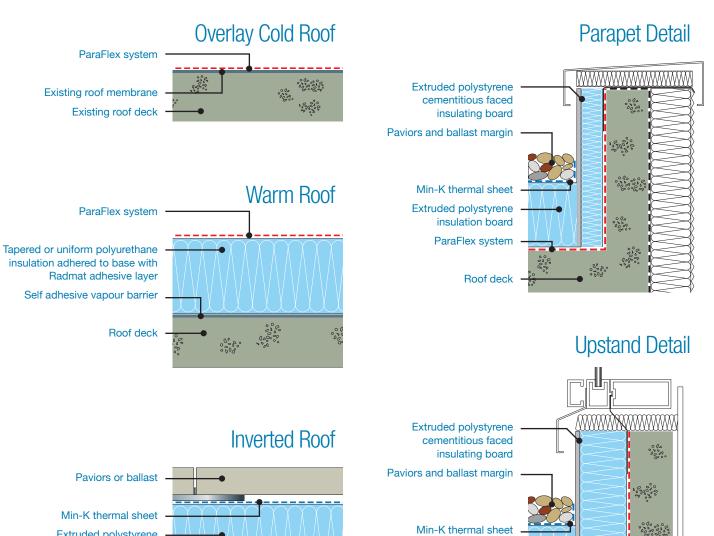
Priming

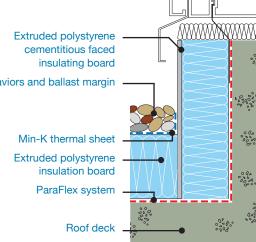
Treatment of all surfaces with ParaFlex universal primer is essential prior to the application of the waterproofing layer.

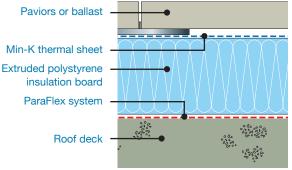
Universal primer is mixed with the red cap accelerator at 5 ml per litre to enable a fast curing process. Within normal daytime conditions the primed surface will be ready to accept ParaFlex within 45 mins.



TYPICAL APPLICATIONS

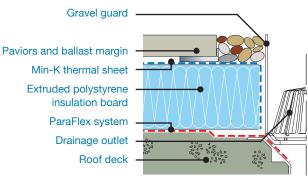






Outlet Detail

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Green Roof Ga 🖉 🖉 00000 0.00

Pre-grown roof garden mat Radmat 100% recycled green growing medium G12 filter membrane Radmat D25 water retention and drainage board Min-K thermal sheet Extruded polystyrene insulation board ParaFlex system Roof deck

PRODUCT DATA



Product	Description	Details	Coverage
Universal Primer*	20 kg drum	400 grams/m ²	50 m ²
Kiln Dried Sand	25 kg bags	1 kg/m ²	25 m ²
ParaFlex**	20 kg drums	2.5 kg/m ²	8 m ²
ParaFlex 165g Fleece	50m x 1050mm	165 grams/m ²	52.5 m ²

Product Data

* The primer has a red cap accelerant that comes with the drums.

** The ParaFlex resin has a white cap accelerant and a catalyst hardener that is supplied with the drums.

Fast, easy application

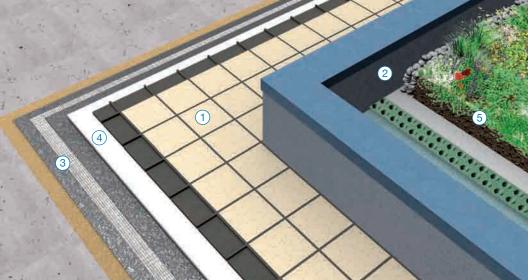


Key

(5) MedO

TredWay/Tredlite
PermaQuik
ParaFlex
NanoTherm

- BBA approved for zero falls
- BBA approved for green roofs
- BBA approved for lifetime of structure with inverted systems
- BBA approved for 35 years plus, when exposed
- BBA approved for -5°C application
- Complete system finished and trafficable within 90 minutes



Suitable for integration with other Radmat products

Also available from Radmat

PermaQuik

Leading hot melt

for waterproofing

structures from

ground to roof.

bitumen membrane



Med0

Green roof solution suitable for extensive, semi-intensive, intensive and biodiverse green roofing systems.



TredWay

A fast easy-lay modular paving system that is hard-wearing, frost resistant with excellent acoustic qualities.



NanoTherm

A unique insulant that uses nanotechnology. The same U-value performance as other leading insulation products, at radically reduced thicknesses.



Esha Universal

An exceptional environmentally friendly membrane, made from recycled materials and is itself 100% recyclable.



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