



AcrFlex

Flexible Acrylic Waterproofing System

Description

SPARTAN AcrFlex is a premixed flexible acrylic waterproofing membrane that can be applied directly from the pail.

5 Layer System

5-layer system fabric reinforced waterproofing system is designed to overcome unevenness of roof surface by building of waterproofing membrane thickness. This system is suitable for positive waterproofing of concrete flat roof in areas with light foot traffic.

Uses

- 1) Waterproofing of old and new roofs.
- 2) Refurbishment of old concrete roofs and concrete gutters.

Application

Prime the surface with a layer of SPARTAN AcrPrimer. Subsequently apply the first coat of AcrFlex membrane and whilst it is still wet, apply reinforcing matt and press into the wet AcrFlex. Allow the coat to dry for at least 2 hours.

Apply an intermediate coat to completely fill the reinforce matt. Apply the final coat to create the required thickness and leave to cure overnight.

Substrate

Ensure that surface is sound, clean and free from irregularities, sharp projections, loose particles, oil and contaminants. Old coatings which are stable and unable to be removed can remain.

New concrete must be cured for at least 28 days, with sufficient falls provided to avoid ponding on the finished membrane surface.

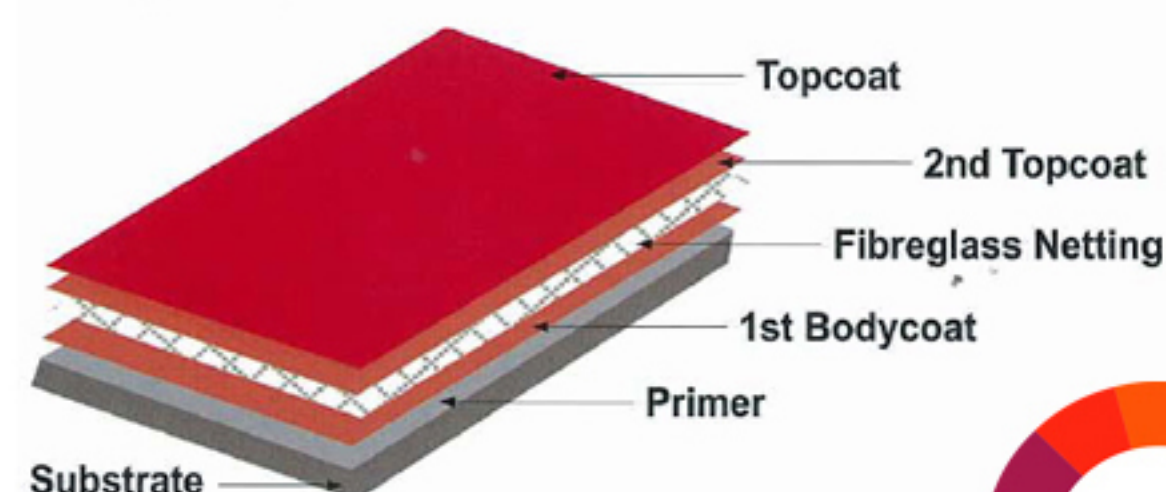
Advantages

- Easy to apply
- High polymer paste form
- Mould and fungus resistant
- Bridge cracks and remain flexible
- Resistant to ultra violet rays
- Water-based and non-toxic
- Available in various colours

Technical Data

Thickness of membrane		
For roof - 5 layer system	1.5 to 2mm	
For wall - 3 coats	0.6 to 0.8mm	
Flash point		
Solid content		
	> 60% by weight	
	>48% by volume	
Elongation at break	250%	ASTM D412 : 92
Tensile Strength	>8N/mm ² (w/ fibreglass)	ASTM D412 : 92
Adhesion Strength	>2N/mm ²	ASTM D4541 : 93
Hardness Shore A	70	ASTM D2240 : 91
Crack Bridging	>2mm	ASTM C836 : 89
(After 10 cycles of weathering closing to a width of 1mm)		
Water vapor transmission	34.28g/m ² /24hrs	ASTM E96 : 94
QUV Accelerated	No Cracking	
Weathering(1000hours)	grey Scale No 4	ASTM G53 : 93
Drying Time	12 hours	
Application Temperature	5°C to 40°C	
Fire resistance		
Spread of flame index	Zero	
Smoke evolved index	4	AS 1530 Part 3

5 Layer System





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3 Layer System

3-layer system forms a microporous membrane that waterproofs external surfaces from water seepage and protects it from deterioration due to carbonation, acid or chemical attack and other types of environment pollution.

Uses

- 1) Waterproofing of external walls of old buildings, metal roofs, gutters and asbestos roofs.
- 2) Waterproofing of old roof tiles.

Application

Apply SPARTAN AcrPrimer and allow to dry before applying first coat AcrFlex membrane direct from the can. Apply second coat after the first coat has dried.

Apply one coat at a time, allowing interval of 4 to 8 hours between coats.

Substrate

All surfaces to be waterproofed must be sound. Jet washing or mechanical abrading is recommended to increase adhesion if applied on existing surfaces.

Old coatings which are stable and cannot be removed can remain.

Substrate Type

Metal Roof

Preparation : Wire brushing or abrasive blasting
Primer : SPARTAN AcrPrimer
Finishing : SPARTAN AcrFlex : 2 coats

Timber Surface

Preparation : Dry and free from oil residue
Primer : SPARTAN AcrPrimer
Finishing : SPARTAN AcrFlex : 2 coats

Friable surface previously painted

Preparation : Remove flaking paint and jet surface.
Primer : SPARTAN AcrPrimer
Finishing : SPARTAN AcrFlex : 2 coats

Powdery paintwork/ Brick surface/ Existing roof tiles

Preparation : Jet washing.
Primer : SPARTAN AcrPrimer
Finishing : SPARTAN AcrFlex : 2 coats

Joints

Primer : SPARTAN AcrPrimer
Finishing : SPARTAN AcrFlex : 3 coats (with netting)

General Application

Generally, SPARTAN AcrFlex membrane is applied using a brush or a roller. Due to its elastomeric quality, it may not be possible to get a flat level finish and brush marks or roller marks are common.

Apply first coat in one direction and second coat in perpendicular direction to the first coat.

Packaging

SPARTAN AcrFlex membrane is available in 20 litres and 5 litres pail.

Standard colours - White and Grey

Other colours - refer to the colour chart

Shelf Life

SPARTAN AcrFlex has a shelf life of at least 12 months when in original unopened container and stored in cool dry place.

Coverage

SPARTAN AcrFlex membrane - approx. 40m² per 20 litre for 1 coat at film (dry) thickness 0.3mm.