

# PERMAFLEX

## DESCRIPTION OF PRODUCT

Permafex is a superior quality hybrid acrylic copolymer emulsion waterproofing compound which is suitable for a wide range of waterproofing and coating applications.

## GENERAL PRODUCT INFORMATION

- Appearance: A viscous liquid available in various colours
- Colours: Standard colours are light grey, grey, dark grey, charcoal, red, terracotta, sand, blue, green, white and black
- Packaging: 5 and 20 litre buckets
  
- Storage: Shelf life is 12 months in sealed and unopened containers. Product should be stored out of direct sunlight with temperature range between 5 - 35 °C.
  
- Specific Gravity: 1.15
- Viscosity: 115 Ku
- Chemical resistance: Resistant to mild acids and alkalis
- Solids content: 49%

## AREAS OF USE

- Flat roofs
- Tiled and metal roof repairs
- Parapets
- Window cills
- Tops of walls
- Flashings
- Asbestos or fibre cement slate roofs
- Coating and protection of tiled and metal roofs
- Refurbishment of torch on or weathered waterproofing membranes

## PRODUCT FEATURES

- The special latex additive imparts extreme flexibility, adhesion and UV stability characteristics
- Excellent alternative for torch on. Durable and easy to apply
- Excellent aesthetics. Wide colour range
- Capable of 100% elongation
- Minimal age hardening and retaining its flexibility over an extended time period
- Non messy and easy application using semi skilled labour.
- Rapid drying due to high solids content.
- White colour has excellent heat radiant properties to keep roofs and buildings cool
- Non toxic
- Clean up with water
- Bonds well to aged bitumen surfaces

## INSTRUCTIONS FOR USE

Step 1: Ensure that surfaces are clean, dry, sound and smooth without undue voids or lumps. This can be achieved by means of scraping, wire brushing or grinding as necessary. Defective waterproofing should be stripped off and discarded.

Step 2: It is generally recommended that surfaces be primed using Permafex Bonding Primer. This should be applied thinly to the surface but ensuring full coverage. On new screeds, apply Permafex Bonding Primer to full saturation. Brush, roller or spray can be used. The primer should be dry before the Permafex is laid. This takes approximately 30 minutes.

Step 3: A generous coat of Permafex to be applied to the surface to be waterproofed. Generally a brush is recommended, but a roller can be used for larger areas and provided that care is taken to apply a liberal amount to the substrate. The Polyester membrane to be embedded into the wet Permafex and tamped down using a brush or gloved hands. Enough Permafex should have been applied to the surface that it penetrates through the membrane from underneath.

Step 4: A further heavy coat should be applied the membrane to completely saturate it from above. There should be no creases or wrinkles in the fabric. The membrane should be worked with care and patience to mould to the form of the substrate ensuring no voids under the membrane.

Step 5: Once the Permafex is dry it should be top coated. Two top coats are recommended. It is preferable that top coating is done the following day, especially on larger areas. However on small repair jobs, top coats can be applied within one hour depending on weather conditions.



Tel: 011 794 3307 | [info@aquagard.co.za](mailto:info@aquagard.co.za) | [aquagard.co.za](http://aquagard.co.za)  
Erf 115, 2 Boat Turn Road, Laser Park, Roodepoort 2040

## COVERAGE

**Permaflex Bonding Primer:** 4 - 8 m<sup>2</sup> per litre depending on porosity of substrate

**Full membrane application:** 2,1 litres per m<sup>2</sup> (One 20 litre bucket for 10m<sup>2</sup>)

**Coating of torch on waterproofing:** Total coverage 2 m<sup>2</sup> per litre (To be applied in 3 coats at 6m<sup>2</sup> per litre per coat) (One 20 litre bucket for 40m<sup>2</sup>)

**Sealing of overlaps to torch on waterproofing:** When applying 100mm girth polyester membrane to overlaps at 1m intervals, 1 litre will cover 5m<sup>2</sup>

**Coating metal and tiled roofs:** Product can be thinned 10% with water for the first coat. 4m<sup>2</sup> per litre per coat to achieve a total dry film thickness of minimum 120 microns. (One 20 litre bucket for 40m<sup>2</sup> in 2 or 3 coats)

**Roof ridges:** Applied with membrane to joints 0,5 litres per metre

**Roof tile flashings:** 250mm girth - 4m per litre

## LIMITATIONS

- Do not apply if rain is imminent.
- It is essential that 100% full bond of the waterproofing system is achieved whilst laying. Membrane which is not fully bonded or bridges voids without adhesion will have a severely reduced lifespan.
- Where severe movement or cracking of the substrate has or may take place, the Aquagard Consultant to be contacted for advice and specification.
- Do not apply under floor tiles, ponds or any areas where long term ponding of water is anticipated.

## DISCLAIMER

Whilst Aquagard makes every effort to ensure that all information given is accurate, the use and application of our products is outside our direct or continuous control, therefore Aquagard cannot accept any direct or indirect liability arising from the use of our products. Aquagard is able to supply a manufacturers guarantee on request. Please contact the Aquagard consultant for further information.

## HEALTH AND SAFETY

Please read the product label, technical data sheet and material safety data sheet before use. Do not ingest internally. Avoid contact with eyes. If solution does come into contact with eyes, flush immediately with water and refer to Doctor for medical attention. Avoid prolonged contact with skin or breathing in of mist or fumes. Wear a suitable face mask. Keep out of reach of children. Take due care and precaution when applying the product especially if working at heights.



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