



# PRISMA ROOF- FLEX

## DESCRIPTION

single component elastomeric waterproofing material based on plasticized acrylic resins with ultra violet light resistant pigments

## PRINCIPAL CHARACTERISTICS

- ready to use single component material
- excellent flexibility and elongation properties
- provides a seamless waterproofing membrane for roof areas
- follows the contour of irregular surfaces maintaining a uniform thickness
- no objectionable odour
- non toxic
- non yellowing
- non flammable

## COLOUR AND GLOSS

white (other light colours on request) – flat

## BASIC DATA AT 20 °C

### Specific Gravity

approx. 1.35g/cm<sup>3</sup>

### Solids content

approx. 45 % by volume

### Recommended dry film thickness

500 µm

### Theoretical spreading rate

approx. 2 m<sup>2</sup>/ltr for 500 µm depending on the nature and condition of the substrate and the application method employed

### Touch dry after

approx. 4 hours

### Overcoating interval

min. 16 hours  
max. no limitations

### Shelf life (cool,dry place)

12 months

### Flashpoint

above 65 °C

### Available pack size

15 ltr

## RECOMMENDED SUBSTRATE CONDITIONS

- all surfaces should be dry and free from any contamination
- previous coat; dry and free from any contamination

## SYSTEM SPECIFICATION

### Concrete

- all surfaces to receive coating should be cleaned by sandblasting or acid etching. If acid etching is used, surfaces should be thoroughly washed afterwards with clean water to remove any residue then allowed to dry to below 12% moisture content. Defects greater than 3mm in depth should be filled with a suitable repair mortar.



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## Cracks and control joints

- all cracks and joints, except for non-moving shrinkage cracks, must be sealed with an approved elastomeric sealant  
Large cracks (>1.5mm) should be raked out and sealed with an approved elastomeric sealant or repair mortar. Sealant should be applied to the inside of the cracks only and not on to the roof surface itself. Secondary control and expansion joints should be sealed with polyurethane or polysulphite sealants. A backing rod should be used to control the sealant depth. All cracks and control joints must be reinforced by embedding a 10 cm wide strip of fiberglass tape in the wet Roof-Flex coating and brushed evenly over the cracks and joints to a width of approx. 125mm and a wft of approx. 500 µm.  
The application of Prisma Roof-Flex can subsequently be done over the entire area, including taped areas.

## Application information

- porous and slightly textured areas should be primed first with one coat of Prisma Roof-Flex thinned 20% with sweet water at a dft of between 100 – 150 µm.  
- at intersections of membrane and vertical walls, columns, pipes and other penetrations, including cracks and control joints, embed fiberglass tape between 2 coats of Prisma Roof-Flex

## INSTRUCTIONS FOR USE

### AIRLESS SPRAY

**Recommended thinner**

sweet water

**Volume of thinner**

0 - 10%

**Nozzle orifice**

approx. 0.43 - 0.53 mm (0.017 -0.021 inch)

**Nozzle pressure**

156 bar (approx. 2300 p.s.i.)

### BRUSH AND ROLLER

**Recommended thinner**

sweet water

**Volume of thinner**

0 – 10%

### CLEANING SOLVENT

sweet water

### PHYSICAL DATA OF CURED MATERIAL

Tensile strength

0.28 N/mm<sup>2</sup> (ASTM D-412)

Average elongation at break

2500% (ASTMD-412)