

POLYPRUFE - HIGH PERFORMANCE SPRAY-APPLIED POLYUREA MEMBRANE

DESCRIPTION

POLYPRUFE is a high performance, waterproof, seamless, spray applied, polyurea based elastomer membrane with excellent mechanical and chemical properties.

APPLICATIONS

POLYPRUFE is a 2 component, waterproof, elastic hot sprayed membrane with the following applications:

- *Waterproof membrane for roofs, parking decks, bridge decks, water retaining structures*
- Internal tank protection.
- *Chemical resistant coating*
- Retention ponds

ADVANTAGES

- *Strong*
- High abrasion resistance
- *High elasticity*
- Seamless and waterproof
- *High chemical resistance*
- Fast curing (few seconds)
- *Very good adhesion*
- Vertical and horizontal applications

SURFACE PREPARATION

To be assured of maximum adhesion and properties from POLYPRUFE products the correct surface preparation is essential. Substrates should be mechanically prepared to remove all laitance, loose material and contamination by scabbling, grinding or vacuum enclosed shot blasting. Substrates should be free from oil and grease. Concrete substrates should be allowed to cure for a minimum of 28 days before preparation and have a relative humidity of 75% or below. Metal surfaces should be abraded and all rust and corrosion removed. Fungal growth should be treated

PRIMING

Prime surfaces with POLYPRIME 118 or POLYPRIME 121.

Please consult our technical department for suitability.

APPLICATION TECHNIQUE

POLYPRUFE is hot sprayed with a 2 component high pressure pump. This sprayed coating has a very short reaction time so it is possible to spray horizontally, vertically and above the head. The coating can be applied from 1 mm thickness up to several centimetres.

GENERAL INFORMATION

All information is given in good faith and without any warranty. The application, use and processing of these products are beyond our control and therefore entirely the user's responsibility. Established liability if any, through bad application or any other reason, for any damages, is always limited to the value of the goods supplied.



TECHNICAL DATA

Mixing ratio
1:1 (by volume)

Shear strength
40 N/mm

Peel strength
70 N/mm

Hardness / Shore A: 92
Shore D:45

Tensile strength
21 MPa

Elongation at break
Approx. 400%

Abrasion resistance
(Taber) CS-101 wheel, 1kg load,
1000 cycles – 26 mg loss

Coverage
Approximately 1.05 kg/mm/m².
Standard thickness of application is
2 mm.

Storage
Store in clean, dry conditions above
10° C. Use within 6 months of
purchase.

Pack Size
50 and 450 kg units

