

## Technical Information Sheet Article No. 9008

# PUR Roof Coat WF

High performance, low solvent, high build, liquid polyurethane membrane for roofs and podium decks.

### Advantages

- Forms a waterproof, seamless membrane.
- Liquid applied, semi-one component.
- Tough, long life membrane which can be reinforced with needle punched PE fleece
- Easy application by roller or brush.
- Excellent adhesion to most roof substrates.
- Root resistant.
- Controlled film thickness.
- Exposed or buried environments
- Layer thicknesses up to 5mm are possible

### Description

The PUR Roof Coat WF is part of the Remmers series of liquid roof membranes. These cure to form seamless, durable, long lasting, weatherproof membranes for all types of flat and pitched roofs and buried podium decks.

PUR Roof Coat WF is a semi one component flexible elastic membrane based on modified polyurethane resins.

The PUR Roof Coat WF has excellent adhesion to many common roofing substrates and

### Characteristic data of the product

Viscosity:	Thixotropic
SG:	1.37 mixed
Total Solids:	83%
Tensile Strength:	2.5 N/mm <sup>2</sup>
Tear Resistance:	25 kN/m reinforced
Elongation:	30% reinforced, 200% unreinforced
Hardness:	Shore A - 70
Typical thickness:	1.5 mm – 2.5 mm (dependent on system)
Application Limits:	10°C to 30°C, 85%RH, Avoid dew point
Drying Time per coat:	12 hours @ 20°C, 50% RH
Water vapour transmission:	2.6 gram per m2
Pot life:	Up to several days

can be reinforced by incorporating a layer of needle punched PE fleece (article 9015).

### Systems

PUR Roof Coat Systems are used to provide long life weatherproofing solutions to roof refurbishment and are particularly suited for flat roofs.

Many systems have the PE fleece incorporated into a layer of PUR Roof Coat WF, which is then totally encapsulated with more material whilst the base layer is still fresh.

#### Typical system un-reinforced;

- PUR Primer P-EK @0.15 kg/m<sup>2</sup>
- PUR Roof Coat WF @2kg/m<sup>2</sup>

#### Typical system reinforced;

- PUR Primer P-EK @0.15 kg/m<sup>2</sup>
- PUR Roof Coat WF @3kg/m<sup>2</sup> incorporating PE fleece applied in one operation to fully encapsulate the fleece.

#### Optional Layer

- PUR Roof Coat WF @0.75kg/m<sup>2</sup> fully broadcast with aggregate

### Surface Preparation

- All surfaces must be clean, generally dry and free from all loose debris, laitance and other surface contamination.
- Repairs to cracks, holes and other defects must be carried out prior to coating.
- Fungus, algae, mould or lichens must be removed and

the area treated with Impregnation BFA.

- Laitance should be removed by means of grit-blasting, wire brushing (small or difficult areas) or chemical treatment (Remmers Combi WR) and power washing.

### Priming

Concrete and other mineral surfaces have to be laitance free and at least 28 days old.

On concrete and mineral surfaces PUR Primer P-EK should be used as a primer. PUR Roof Coat WF has excellent adhesion to many bitumen based roofing materials.

If overlaying synthetic materials such as EPDM, olefin or PVC adhesion testing is required.

If the quality and porosity of the substrate is questionable the exact priming system should be selected according to trials.

For advice, please contact our Remmers Technical Service Department.

### Application

Premix the individual components before mixing together for 3 minutes using a low speed electric mixer.

Surface skin on mixed material can

be cut away and the fresh material below can be used.

Colours available: Black and Aluminium

### Health and Safety

Before using this product please ensure that you have been supplied with and have read carefully the information on the MSDS for the products.

The recommendations made in our MSDS for this product should be followed at all times.

### Storage

Store in cool place, indoors and avoid unnecessary opening of tins. Once opened PUR Roof Coat will start to cure and a skin will form. It is possible to remove the skin and use the remaining material.

Shelf life in unopened tins – 12 months minimum

For technical support or information on any waterproofing problems, please contact our Technical Service Department.

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

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