

Technical Information Sheet
Article No. 9006 and 9007

PUR Roof Coat Waterproofing System

High performance, UV stable, high build, liquid polyurethane system.

Advantages

- Forms a waterproof, seamless membrane.
- Liquid applied, one component.
- Tough, long life membranes, glass fibre reinforced.
- 10,15 and 25 year systems.
- High performance & UV stable.
- Easy application by roller, brush or airless spray.
- Excellent adhesion to most roof substrates.
- Controlled film thickness.
- Damp tolerant.
- Primers only required on metallic or very porous substrates.

Description

The PUR Roof Coat range of advanced high performance, cold applied, liquid waterproofing coatings comprises single pack, elastomeric, high build polyurethane systems. These cure to form seamless, durable, long lasting, weatherproof membranes for all types of flat and pitched roofs.

The systems are made up of a minimum of two layers (an embedment coat and a top coat) of high performance, moisture triggered PUR coating normally

Characteristic data of the product

Viscosity:	Thixotropic
SG:	1.43
Total Solids:	83%
Tensile Strength:	11.5 N/mm ²
Tear Strength:	98.7 N
Fire Resistance:	BS 476 Part 3:2004 EN 1187:2002 Test 4
Typical thickness:	1.5 mm – 2.5 mm (dependent on system)
Application Limits:	+5°C to +30°C
Drying Time per coat:	12 hours @ 20°C, 50% RH
Colour:	Black (EC) and Light Grey (TC)

incorporating a random weave glass fibre mat reinforcement.

The PUR Roof Coat EC has excellent adhesion to all common roofing substrates and is reinforced by incorporating a layer of chop strand glass matting, Roof Coat GFM.

The glass fibre reinforcement breaks down into individual fibres when embedded in PUR Roof Coat EC (9006) enabling complex shapes to be completely encapsulated with no rucking.

The system is completed by applying PUR Roof Coat TC (9007) which then completely encapsulates the whole roof structure providing a durable, waterproof and UV stable membrane.

Systems

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

Most systems have Roof Coat GFM incorporated into a layer of PUR Roof Coat EC, which is then totally encapsulated with PUR Roof Coat TC.

The three main systems are based upon life span to first maintenance of 10, 15 and 25 years and comprise:-

PUR Roof Coat 10 Year System

PUR Roof Coat EC coated at 1.00 litre/m²
Roof Coat 225 gsm GFM
PUR Roof Coat TC coated at 0.50 litre/m²

PUR Roof Coat 15 Year System

PUR Roof Coat EC coated at 1.00 litre/m²
Roof Coat 225 gsm GFM
PUR Roof Coat TC coated at 0.75 litre/m²

PUR Roof Coat 25 Year System

PUR Roof Coat EC coated at 1.00 litre/m²

Roof Coat 225 gsm GFM

PUR Roof Coat TC coated at 0.75 litre/m²

Plus a further coat of PUR Roof Coat TC coated 0.75 litre/m²

NB All the above coverage rates assume a smooth non-absorbent substrate. Allowances must be made for greater usage of material on uneven or porous surfaces.

Application

PUR Roof Coat is a multi layer system, designed for application by brush, roller or airless spray and must be applied in a minimum of two coats – a PUR Roof Coat EC layer and a PUR Roof Coat TC layer.

The Roof Coat GFM is a 225 gsm emulsion bonded, low silane reinforcing mat designed to impart high tensile strength to the finished system and be easily broken down by the formulation of the base layer.

The glass mat must be applied into the wet PUR Roof Coat EC and thoroughly embedded. The PUR Roof Coat TC is applied once the PUR Roof Coat EC is cured.

If aggregate is required for a non slip finish it can be broadcast into an extra coat of PUR Roof Coat TC or encapsulated between two extra layers of PUR Roof Coat TC.

Priming

Most substrates do not require priming prior to using PUR Roof Coat Systems. However, it is recommended that adhesion and compatibility tests should be carried out prior to application of the coating to check that adequate adhesion can be achieved.

All very porous and metallic surfaces require priming. PU Primer is suitable for most substrates and can be applied by brush, roller or airless spray. However, certain non-ferrous metals require special treatment. For advice, please contact our Remmers Technical Service Department.

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.

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 – 6 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.

In all cases, our general conditions of sale are valid. With the publication of this Technical Information Sheet all previous editions are no longer valid.



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