



QUICSEAL 102GRR

Waterbased Modified PU Root Resistant Membrane

Description

QUICSEAL 102GRR is a single component, ready-to-use, Acrylic-polyurethane liquid applied root resistant waterproof membrane. QUICSEAL 102GRR comprises of special blend of copolymers and additives to provide an excellent seamless, elastomeric and quick-drying waterproofing membrane that prevents roots from growing through.

Uses

QUICSEAL 102GRR is suitable for waterproofing (concealed) applications for the following areas:

- Kitchens, toilets, balconies, lift pit, etc
- Waterproofing on dry wall in wet areas, e.g, gypsum and cement board etc.
- Walkways, terraces, planter boxes, roof gardens
- Precast gable end walls
- RC flat and roof terrace in built-up roofing systems (concealed applications)

Advantages

- Prevents root from growing through waterproofing membrane
- Single component – ready to use
- Can be applied by brush, roller or spray
- Quick drying
- Elastomeric seamless membrane
- Able to bridge cracks
- Can be painted over with good quality acrylic paint.
- Water-based formulation – Environmentally friendly

Technical Data

Standards & Specifications		
Technical Data	Acrylic-polyurethane high solids prepolymer	
Product Type	(water based)	
Colour	Grey	
Density	1.10 ± 0.06 g/ml	
Recoat Time	4 - 6 hours	
Hardness (Shore A)	> 40	ASTM D2240
Tensile Strength	> 1.8N/mm ²	ASTM D-412
Percentage Elongation	> 750%	ASTM D-412
Water Vapour Transmission	< 30 g/m ² /24 hrs	ASTM E96
Adhesion to Concrete	>1.0 N/mm ²	ASTM D-4541
Hydrostatic Pressure Resistance	No water penetration @ 0.2 bar	DIN 1048 : Pt 5
Crack Bridging	No cracks @ 2mm (10 cycles)	ASTM C836
Application Temperature	5 - 35 °C	
Tack Free Time	4 - 6 hours	Conditions:
Light pedestrian Traffic	> 24 hours	@ 20 °C and
Chemical properties	Good resistance against acidic and basic solutions (0.5%), detergents, seawater and oils.	@ 50% RH

Surface Preparation

The substrates must be clean and sound, free of dust and loose particles. Remove laitance, oil, grease, mould release agents or any foreign contaminants which may inhibit adhesion from substrate by using wire brush, scabblor or other approved means. Where moss, algae or similar growths have occurred, treatment with suitable chemicals should be carried after the initial cleaning process followed by further washing.

It is recommended that a cement & sand fillet be formed at all corners to receive the waterproofing membrane.

Application

Stir QUICSEAL 102GRR manually before application. For horizontal and vertical surfaces, a roller, brush or spray gun, may be used to apply the membrane. Care must be taken to ensure that air is not entrapped in the membrane.

Pre-treat QUICSEAL 102GRR on all corners, upturns and pipe penetrations with a brush followed by application to the general areas and allow to dry. Allow membrane to dry for approximately 4-6 hours before application of the second coat.

After applying the 2nd coat of waterproofing membrane, allow it to cure for 24 hours before proceeding to conduct any flooding test.

Packing

Pack size : 24 kg pail

Coverage

Coverage : 1.3 - 1.6kg/m²/ 2 coats

Total Wet film thickness : 1.3 ± 0.1mm

Cleaning

Due to high adhesion strength of this product even on metals, it is advisable to wash tools with water before the product sets. After setting, cleaning can only be achieved by mechanical means.

Storage

The shelf life of QUICSEAL 102GRR is 12 months when stored unopened in a cool and dry place.

Important Notes

The information set forth herein is furnished in good faith and is based on technical data that QUICSEAL considers to be reliable. This information is intended for use by persons having technical skill and at their own discretion and risk. Information contained in this product sheet conforms to the standard detail recommendations and specifications for the installation of QUICSEAL products as of the date of publication of this document. QUICSEAL makes no other warranties and assumes no liability, expressed or implied, as to the architecture, engineering or workmanship of any project. To ensure that you are using the latest, most complete information, contact QUICSEAL.

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