



QUICSEAL 102

Liquid Applied Elastomeric PU Waterproofing Membrane

Description

QUICSEAL 102 is a specially formulated, cold applied, moisture-cured elastomeric polyurethane waterproof membrane. When cured, QUICSEAL 102 forms a seamless, flexible but tough waterproof membrane.

Uses

For waterproofing areas with migrant or stationary water such as:

- between slabs of parking decks, roof decks, plaza decks or courtyard areas over subterranean parking;
- inside of planter boxes;
- ground slabs prior to laying terrazzo, marble or tile floors;
- under shower pans, kitchen, laundry, bathroom floors and balconies;
- mechanical rooms, fountains, internal wet areas;
- bridges, highways;
- below-grade slabs, walls, lift pits, culverts, drains, sea-walls, dams, reservoirs, retaining walls, concrete tanks and similar areas that require superior waterproofing properties.

Advantages

- Single-component ready-to-use. No mixing required.
- Easily applied by spray, brush, roller or trowel
- Seamless membrane system
- Elastomeric, excellent adhesion and low vapour permeability.
- Capable of bridging substrate cracks up to 2mm width.
- Provides protection against penetration and lateral movement of water.
- Maintains flexibility and waterproofing properties even when subjected to continuous exposure to water.
- Excellent waterproofing qualities
- Able to withstand high hydrostatic pressure

Surface Preparation

The substrates must be clean and sound, free of dust and loose particles. Laitance, oil, grease, mould release agents or curing compound must be removed from concrete surfaces by using wire brush, scabblers or other means.

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

Ensure that the substrate is dry and free from moisture before applying the waterproofing.

Application

Apply QUICSEAL 102 can be applied with a brush, roller, trowel, squeegee or sprayed.

Technical Data

Product Type	Polyurethane high solids prepolymer (Solvent based)	
Colour	Black	
Recoat Time @ 30°C	3 - 5 hours	
Hardness (Shore A)	> 40 + 5	
Tensile Strength	> 2.5 N/mm ²	
Percentage Elongation	> 500%	ASTM D-412
Water Vapour Transmission	< 35 g/m ² /24 hrs	ASTM D-412
Adhesion to Concrete	>1.2 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	Conditions:
Tack Free Time @ 30°C	3 - 5 hours	@ 20°C and
Light pedestrian Traffic	12-18 hours	@ 50% RH
Chemical properties	Good resistance against acidic and basic solutions (10%), detergents, seawater and oils.	

Packaging

Packing Size : 22kg per pail

Coverage

1.5 – 1.7 kg/m² / 2 coat application

Wet film thickness : approx. 0.6 – 0.7mm thick / coat

Dry film thickness : approx. 0.55 – 0.65mm thick / coat

Storage

The shelf life of QUICSEAL 102 is 9 months when stored unopened in a cool and dry place.

Health & Safety

Gloves and goggles should be worn. Any splashes to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, seek medical advice. Areas of use should be well ventilated. Refer to SDS for further information.

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

Reference No. QS 102/190922

ARDEX-QUICSEAL SINGAPORE PTE. LTD.
www.ardex-quicseal.com