QUICSEAL 102

Liquid Applied Elastomeric PU Waterproofing Membrane

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

MANAGEMENT SYSTEM CERTIFICATION
DNV
ISO 9001 · ISO 14001

ARDEX-QUICSEAL SINGAPORE PTE. LTD.
26 Tuas Ave 4 Singapore 639376
Telephone: +65 6861 7700
Fax: +65 6741 4666
Email: sales@ardex-quicseal.com
Website: www.ardex-quicseal.com

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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.

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, scabbler 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)	> 45
Tensile Strength (ASTM D412-16 2021)	> 2.3 N/mm^2
Percentage Elongation (ASTM D412-16 2021)	> 450%
Water Vapour Transmission (ASTM E96/E96M-22ae1)	< 35 g/m^2/24 hrs
Adhesion to Concrete (ASTM D4541-02)	>1.2 N/mm^2
Hydrostatic Pressure Resistance DIN 1048 : Pt 5 : 1991	No water penetration @ 0.2 bar
Crack Bridging (ASTM C836/ C836M-18 2022 [EL-A-OP-CMT-SIN-MD202])	No cracks @ 2mm (10 cycles)
Application Temperature	5 - 35°C — Conditions:
Tack Free Time @ 30°C	3 - 5 hours — @ 20°C and @ 50% RH
Light pedestrian Traffic	12-18 hours
Chemical properties	Good resistance against acidic and basic solutions (10%), detergents, seawater and oils.

PACKAGING

Packing Size: 22kg per pail

COVERAGE

1.5 – 1.7kg/m^2 / 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.

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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 used 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 ARDEX-QUICSEAL

Offices:

Malaysia:
ARDEX QUICSEAL MALAYSIA SDN. BHD.
72-2, Jalan Puteri 2/2 Bandar Puteri 47100,
Puchong, Selangor Darul Ehsan
Malaysia
Phone: +603 8051 0311
Email: sales.malaysia@ardex-quicseal.com

Thailand:
ARDEX (THAILAND) CO., LTD
969 2nd Floor, Moo 13, Soi 45, Bangna-Trad Road
Bangkaew, Bangplee, Samutprakarn 10540 Thailand
Telephone: +66 2316 3069 Fax:+66 2316 3075
Email: sales@ardex.co.th
Website: www.ardex.co.th

Vietnam:
Mobile: +84 901 351 308
Email: sales@ardex-quicseal.com

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