QUICSEAL 123

Acryl-Proof

Single component - ready to use

Does not require further reinforcement

Can be applied by brush, roller or spray

Being elastomeric, it exhibits excellent recovery characteristics

Seamless membrane

Able to bridge cracks

Suitable for exposed and concealed applications

Can be painted over with good quality acrylic paint

MANAGEMENT SYSTEM CERTIFICATION
DNV
ISO 9001 · ISO 14001

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Acryl-Proof

DESCRIPTION

QUICSEAL 123 is a single component, ready-to-use, liquid applied acrylic waterproof membrane. QUICSEAL 123 comprises of special bend of polymers, fillers and additives to provide excellent UV resistance, as well as providing long term waterproofing protection.

QUICSEAL 123 cures to form a seamless, reinforced, elastomeric waterproofing membrane with excellent adhesion to most substrates.

USES

Waterproofing of: -

- Concrete, metal, wood or clay-tiled roofs
- Pitched and RC flat roof with sufficient gradient to allow easy run-off
- Concealing hairline cracks and shrinkage cracks less than 0.4 mm width
- External wall (seepage repair)
- Protection of concrete against deterioration from effects of the UV rays
- Expansion joints used in conjunction with QUICSEAL 209

TECHNICAL DATA

Product Type	Acrylic reinforced
Colour	Grey Other colours available
Elongation at break	> 150%
Tensile Strength (ASTM D412-1992)	> 2.5 N/mm^2
Adhesion (ASTM D4541-1985)	> 1.5 N/mm^2 on concrete
Shore hardness (ASTM D2240-1991)	> 79
Recommended dry film thickness	1 mm
Flexibility over 1 mm mandrel	No crack at – 20°C
Flash point	Non-flammable (waterbased)
Specific gravity	1.2 ± 0.05
Drying time	1 hour at 30°C, 65% RH on concrete
Water permeability (ASTM E96:1995)	< 24 g/m^2/day
Recovery	95% at 100% elongation
Crack bridging properties ASTM C836: 89a (adopted)	Able to bridge crack more than 2mm
Wet film thickness per coat	0.4mm thick
UV resistance	Excellent
Chemical resistance	Resistant to most household chemicals except bleaches and hydrogen
Service Temperature	-20°C to 90°C
Recoat time	30 mins – 1 hour

SURFACE PREPARATION

The substrates must be clean and sound, free of dust and loose particles. Laitance, oil, grease, mould release agents or any foreign contaminants which may inhibit adhesion must be removed from concrete surfaces by using wire brush, scabbler or other 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. Top up ponding areas with QUICSEAL repair mortar.

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

ON REINFORCED CONCRETE ROOF

Ensure that the substrate is fully cured and sound. Newly cast screed must be cured for 28 days to allow the shrinkage and thermal cracks to form and be treated before application of QUICSEAL 123. There should be sufficient gradient to allow water to run off. Prior to the application of QUICSEAL 123, prime substrate with 1 coat of QUICSEAL 123 Primer. Where expansion joints are encountered, reinforce QUICSEAL 123 with QUICSEAL 209 Expansion Strip.

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EXISTING COATINGS
Where application over existing sound coatings is required, trials should be conducted to ensure compatibility and retention of the bond between the underlying coating and the substrate. For further advice, consult the local ARDEX-QUICSEAL representative.

APPLICATION
Stir QUICSEAL 123 manually before application.

ON REINFORCED CONCRETE ROOF
QUICSEAL 123 can be applied with roller, brush or spray equipment. Apply the first coat of QUICSEAL 123 and allow it to cure for at least 1 hour, followed by a second coat at right angle to the first coat. Apply the finishing coat of QUICSEAL 123 to achieve a total thickness of 1mm.

LIMITATIONS
QUICSEAL 123 is not recommended for areas where constant ponding or water-immersion is expected. Consult QUICSEAL Technical Department for further advice.

PACKING & COVERAGE
Pack size: 5 kg pail and 20 kg pail
Coverage: 0.5 kg/m^2/coat

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 123 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 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

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