QUICSEAL 103M

ACRYLFLEX

Single component - ready to use

Can be applied by brush, roller or spray

Being elastomeric, it exhibits excellent recovery characteristics

Seamless membrane

Able to bridge cracks

Suitable for exposed applications

Can be painted over with good quality acrylic paint

Good hiding power – opaque

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

QUICSEAL 103M

ACRYLFLEX

DESCRIPTION

QUICSEAL 103M ACRYLFLEX is a single component, ready-to-use, water-based liquid applied acrylic waterproof membrane. QUICSEAL 103M comprises of special bend of polymers, fillers and additives to provide excellent UV resistance, as well as providing long term waterproofing protection.

QUICSEAL 103M cures to form a tough, seamless, elastomeric waterproofing membrane with excellent adhesion to most substrates.

USES

Waterproofing of:-

- Concrete, metal, wood or clay-tiled roofs
- Pitched roof with sufficient gradient to allow easy run-off
- Concealing hairline cracks and shrinkage cracks less than 0.3 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	Water-based Acrylic
Colour	Grey and White
Elongation at break	> 300%
Tensile Strength (ASTM D412-1992)	> 2.0 N/mm^2
Adhesion (ASTM D4541-1985)	> 1.5 N/mm^2 on steel > 1.2 N/mm^2 on concrete
Shore hardness (ASTM D2240 -1991)	> 75
Recommended dry film thickness	0.8mm
Flexibility over 1 mm mandrel	No crack at – 20°C
Flash point	Non-flammable (waterbased)
Specific gravity	1.3 ± 0.05
Drying time	2 hours at 30°C, 65%RH on concrete
Wet film thickness per coat	0.4mm
Minimum dry film thickness with reinforcing mesh	1.3mm
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 up to 2mm
UV resistance	Excellent
Chemical resistance	Household chemicals except drogen peroxide. in aromatic solvent but recovers on drying.
Service Temperature	-20°C to 90°C

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 510 non-shrink grout.

It is essential to provide a continuous coating of QUICSEAL 103M. Therefore, surfaces with blowholes or large cracks should first be filled with QUICSEAL 516 Waterplug or QUICSEAL 304 Epoxy Putty, (refer to separate data sheet for further details).

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

Ensure that the substrate is fully cured and sound. Newly cast screed must be cured for 28 days to al-

QUICSEAL 103M
ACRYLFLEX

low the shrinkage and thermal cracks to form and be treated before application of QUICSEAL 103M. There should be sufficient gradient to allow water to run off. Prior to the application of QUICSEAL 103M, prime substrate with 1 coat of QUICSEAL 103 Primer. Where movement is expected, QUICSEAL reinforcing mesh is recommended to embed within the membrane. Where expansion joints are encountered, reinforce QUICSEAL 103M with QUICSEAL 209 Expansion Strip.

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 103M manually before application.

QUICSEAL 103M can be applied with roller, brush or spray equipment. Apply first coat of QUICSEAL 103M and whilst the membrane is still wet, immediately unroll the reinforcing mesh. Apply second coat of QUICSEAL 103M over the reinforcing mesh at coverage of 0.55 kg/m^2 and roll over to ensure good wetting between the mesh and QUICSEAL 103M. Allow the second coat to dry for a minimum of 1-2 hours before continuing with the subsequent coat of QUICSEAL 103M. Apply the third coat of QUICSEAL 103M at right angles to the last coat and allow to dry.

On Wall Application
Apply two coats of QUICSEAL 103M in the same manner as above, excluding reinforcing mesh. Where expansion joints are encountered, reinforce QUICSEAL 103M with QUICSEAL 209 Expansion Strip.

LIMITATIONS
QUICSEAL 103M is not recommended for areas where constant ponding or water-immersion is expected.
Consult ARDEX-QUICSEAL Technical Department for further advice.

PACKING
Pack size: 5kg pail and 20kg pail
Coverage: 0.55kg/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 103M 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 ARDEXQUICSEAL

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

Reference No: QS 103M/170122 T