QUICSEAL 105

MagicSeal

One part, brush or roller application

Seal dampness by both film forming and crystallization

Translucent and UV resistant

Fine hairline cracks sealing

Able to consolidate weak substrates

Paintable with emulsion paint

Suitable for injection with one component pump

Low viscosity a allows sufficient penetration into substrate

Good adhesion to the substrate

Impermeable to water and yet breathable

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

QUICSEAL 105

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DESCRIPTION

QUICSEAL 105 is a one component water-borne polymeric solution for dampness sealing and waterproofing coating on concrete and masonry substrates. It can be gravity fed into cracks or injected into soil behind substrate.

It is specially blended with inorganic compounds and polymers to achieve both surface and in-depth sealing (by film forming and crystallization).

QUICSEAL 105 is UV resistant and provides long-term surface protection. Upon application, a protective film is formed immediately, providing sealing of the surface. Moisture collected behind the surface reacts with the active ingredients in QUICSEAL 105 to increase the concrete pH to greater than 10.

Where there is ground water intrusion, QUICSEAL 105 can be injected into soil behind substrate without relieving water pressure. QUICSEAL 105 will react with ground water and chemical reaction will take place. Colloidal particles will be formed and carried by ground to block all seepage points, up to 3 metre from point of injection.

USES

Waterproofing of :

- Concrete roof - top
- Concrete bridge decks
- Bricks end-walls
- Cement fibreboards

Dampsealing of :

- Leaking kitchen and toilet roofs (soffit)
- Retaining walls
- Basement walls and floors
- Tunnels
- Cement fibreboard
- Interior and exterior walls before painting

APPLICATION INSTRUCTIONS

Remove all loose materials by high pressure water jetting. Remove old paint by mechanical means i.e. scrapper, wet grit basting, needle hammer or grinding.
Stop all water leakage point by using QUICSEAL 516 WATERPLUG. Allow substrates to dry until no running or free water is observed.
Stir QUICSEAL 105 for about 1 minute and apply liberally with a brush or roller without ponding. Allow it to dry for about an hour and if substrate is very absorbent, apply a second coat.

SUBSEQUENT FINISHES

If subsequent is desired, the general recommendation is as follows:

- Painting: A good quality acrylic based emulsion can be applied onto dried QUICSEAL 105 MAGICSEAL after at least 4 hours of drying.
- Waterproofing membrane: Where desired, liquid applied water-borne membranes can be applied over QUICSEAL 105, after surface dry to improve adhesion.

TECHNICAL INFORMATION

Form	White liquid
Flash Point	Not flammable
Solid Content	> 32%
Density	1.17 ± 0.04
Water Vapour Transmission	> 60% reduction after treatment
Application Temperature	5°C to 60°C
Drying Time	< 1 hour at 25°C, 65% RH
Weathering (outdoor exposure – 168 hours)	No cracking
Chemical Resistance (Spot Test) i. NaOH ii. Ca(OH)2 iii. 0.2% HCl	No cracking, no blistering
Depth of Absorption	1mm to 8mm (grade 20 concrete)
Application Rate	12 to 16m^2/kg
Storage Life	12 months in original unopened container
Packing Size	5kg, 20kg and 200kg

CLEANING

Clean tools with fresh water immediately after use. Glazed surfaces should be cleaned immediately on contact with fresh water to retain its original gloss.

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HEALTH & SAFETY

Under normal use, this product will not exhibit health hazard. Good hygiene practice must be observed. Wear protective gloves and eye goggles while working. Wash hands thoroughly before eating and drinking.

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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