QUICSEAL 111

(formerly QUICSEAL 111S)
Crystal-Proof

Easy to apply & cost effective

Can be applied on green concrete

Effective treatment for hydrostatic conditions

Breathable

Does not require protection during backfilling or during placement of steel reinforcement.

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 111
(formerly QUICSEAL 111S)
Crystal-Proof

DESCRIPTION
QUICSEAL 111 Crystal-Proof is a unique chemical treatment for the waterproofing and protection of concrete. Manufactured in the form of a dry powder compound, QUICSEAL 111 Crystal-Proof consists of Portland cement, very fine treated silica sand and various proprietary chemicals. In the presence of moisture, the active chemicals in QUICSEAL 111 penetrate concrete and react chemically with free lime to produce insoluble crystals. This crystalline growth reduces porosity by blocking capillaries, thus improving the waterproofing properties of the treated surface.

USES
Waterproofing to:
- Bathrooms, Kitchens, Yards, Balconies & Gutters
- Tunnels
- Manholes

SURFACE PREPARATION
Concrete surface to be treated must be clean and free of laitance, dirt, paint coating and other foreign matter, which may inhibit adhesion. Horizontal surfaces should preferably have a rough wood float or broom finish. Remove existing coatings, smooth surfaces or laitance by acid etching, sandblasting or water blasting. Structural defects such as cracks, faulty construction joints and honeycombing should be routed out to sound concrete and repaired with QUICSEAL 516 WATERPLUG.

APPLICATION
Slurry coat
Mix 25 kg of QUICSEAL 111 with 8.25 litres of clean water to a creamy consistency and allow the mix to rest for 15 minutes to allow for chemical reaction. It should then adhere to the brush without dripping.

Prior to the application of QUICSEAL 111, saturate concrete surface with water to promote reaction.
Apply QUICSEAL 111 slurry coat with a semi-stiff bristle brush or broom (for large horizontal applications). Ensure that slurry is worked well into openings, rough surfaces, joints and routed out areas and finish with final strokes in one direction. Moisten surface before applying second coat. Apply 2nd coat at right angles to the previous coat with a cure time of 24 hours in-between coats.

DRY SHAKE FOR NEWLY CAST SCREED AND CONCRETE
The sprinkling is broadcast in two applications, perpendicular to each other to achieve a more uniform coverage.

For the first broadcast, sprinkle 50% of the required quantity QUICSEAL 111 onto a freshly spread and floated screed/concrete surface after the water sheen has disappeared.

Allow sufficient time for the QUICSEAL 111 to be moistened by the water from the screed/concrete or colour tone to turn darker before towelling.

Broadcast the remaining QUICSEAL 111 at right angle to the first and towel to the desired finish

FINISHING
When the last coat has stiffened, float it to desired texture with a sponge or wood float.

CURING AND PROTECTION
Proper curing procedures are important to ensure the durability and quality of the coating. To prevent surface cracking, curing must begin as soon as the QUICSEAL 111 coating has reached initial set. Moist curing using continuous water spray is recommended.
Keep QUICSEAL 111 treatments moist and cured for a minimum of 48 hours by spraying surface with a fine mist of water three times a day for 2-3 days (under moist conditions). In warmer climates, more frequent spraying may be required.

PRECAUTIONS
Freshly applied QUICSEAL 111 treatment must be protected from extreme weather conditions such as rain or high temperature for a period of not less than 48 hours after application.
For water retaining structures QUICSEAL 111 treatment should be cured for 14 days before filling liquid.

PACKING & COVERAGE
Pack Size: 25kg PE bags

COVERAGE FOR
a) slurry coat: 2.2 – 2.6kg/m^2 in 2 coats
b) dry shake: 1.25 – 1.35kg/m^2 Dev application

QUICSEAL 111
(formerly QUICSEAL 111S)
Crystal-Proof

TECHNICAL DATA

Water/ powder ratio	33%
Wet density	1.7 ± 0.2
Colour	Grey
Compressive Strength (N/mm^2) at 28 days	> 10MPa
Setting time (EN 196) Initial Final	 > 30min ≤ 12 hours
Tensile Adhesion Test Water penetration @1 bar for 6 hours -Treated -Control	> 0.8MPa 16mm 32mm

STORAGE
12 months in its original unopened packing in a cool ventilated place below 30°C. Do not store in direct sunlight.

HEALTH & SAFETY
QUICSEAL 111 may contain chemicals that may cause irritation to the eyes and skin. Goggles, face-mask, rubber gloves and long sleeves should be worn when using the product.

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

Reference No. QS111/240625 T