QUICSEAL 374

Wear Resistance Polyurethane Coating

Simple application roller or airless spray

Resistant to constant, heavy abrasion and wear conditions

Colour stable

Maintains its mechanical properties over a temperature span of -10°C to +75°C

Compatible with self-leveling screed

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 374

Wear Resistance Polyurethane Coating

DESCRIPTION

QUICSEAL 374 is a 2 component, pigmented, wear resistant, UV-stable, cold applied polyurethane coating used as a top-coat for protection over exposed waterproofing coatings, subject to high wear conditions.

When waterproofing is required, QUICSEAL 374 can be used over the QUICSEAL 161 on surfaces with high public pedestrian trafficking (e.g. Stadiums) and on surfaces with car traffic (e.g. Exposed car parking areas, etc.)

USES

- Topcoat for Public pedestrian trafficking areas (Stadiums)
- Topcoat for Exposed Car Parking Decks
- Topcoat for surfaces exposed to heavy wear conditions.

TECHNICAL DATA

PROPERTY / TEST METHOD	RESULTS
Composition	Solvent based Pigmented UV-stable Polyurethane pre-polymer.
Bond Strength to Concrete ASTM D 4541 (adopted)	> 2.0MPa Cohesive Failure within Concrete
UV stability ASTM G154	Good
Abrasion Resistance CS17,1000 cycles, 1kg weight ASTM D4060: 2010	< 85 mg
Tensile Strength ASTM D638	> 20 N/mm^2
Elongation ASTM D638	> 10%
Shore D Hardness ASTM D2240	65
Maximum over – coating (time between layers)	24 hours
Application Temperature Conditions: 20°C, 50% RH	10°C to 35°C
Service Temperature Conditions: 20°C, 50% RH	< 75°C
Tack Free Time Conditions: 20°C, 50% RH	2 - 3 hours @ 25°C
Light Pedestrian Traffic Time Conditions: 20°C, 50% RH	24 hours
Open to Traffic Conditions: 20°C, 50% RH	7 days

SURFACE PREPARATION

The substrate shall be clean and dry, free from loose particles and laitance that may affect adhesion of the applied topping. Unsound surface shall be removed mechanically by shot-blasting or scabbling. Concrete surfaces shall be textured to provide good bonding.

Do not apply the coating unless concrete has cured for at least 28 days or fully cured. The moisture content of the concrete surface shall be below 5%. The minimum Tensile Strength of the substrate shall be at least 1.5MPa.

PRIMING

Prime the substrate using ARDEX R 2 E solvent free epoxy primer at a coverage of 0.25 – 0.3kg/m^2. For anti-skid finishing, broadcast 0.3 – 0.8mm clean and dry aggregate over the primer while it is still wet. Once the primer is dry, remove all the loose aggregates from the surface to leave a rough textured clean surface to receive QUICSEAL 374 – Wear Resistance Polyurethane Coating.

MIXING

Stir Part A and Part B components thoroughly before mixing them together. Pour the entire contents of the Part B into the Part A and mix thoroughly for approximately 3 minutes using a slow speed drill fitted with a paddle. Mix these components in the quantities supplied, talking care to ensure that the sides of the container are scrapped clean. Do not add or dilute mix with solvent thinners.

Note: Do not use partial quantities of the parts as this may produce incorrect mix ratio between Part A & Part B, which could result in incomplete curing of QUICSEAL 374.

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APPLICATION
Apply the mixed QUICSEAL 374 immediately after mixing using a roller or airless spray at a coverage of 0.15kg/m² per coat on primed surface with no aggregates and at 0.25kg/m² per coat on anti-skid surfaces. Two coats will be required to fully encapsulate the aggregates and to provide a durable surface. The second coat should be applied after the first coat has dried (approx. 12 hours) and within 24 hours.

NOTE
QUICSEAL 374 may experience chalking issue upon prolonged outdoor weathering.

PACKAGING
18kg / set

CONSUMPTION
Smooth finish - 0.3 - 0.4kg/m² in 2 coats
With aggregates No.3 - 0.6 - 0.7kg/m² in 2 or 3 coats
This coverage is based on practical application by roller onto a smooth surface in optimum conditions. Factors like surface porosity, temperature, humidity, application method and finish required can alter consumption.

COLORS
QUICSEAL 374 is supplied in grey (RAL 7046)
Other RAL colors can be supplied on request

SHELF LIFE
QUICSEAL 374 should be stored in dry and cool rooms for minimum of 9 months in the original containers at a temperature of 5°C - 30°C. Protect the material against moisture and direct sunlight.

PRECAUTIONS
QUICSEAL 374 contains isocyanates. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water (do not use solvents). Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction to epoxide materials. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. In case of accidents seek medical advice immediately.

DISPOSAL/SPILLAGE
Spillage of any of the component products should be absorbed onto sand or other inert material and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

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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