



# QUICSEAL 374

Wear Resistance Polyurethane Coating

## Description

QUICSEAL 374 is a 2 component, pigmented, wear resistant, weather-stable, cold applied and aliphatic 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

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

## Advantages

- Simple application (roller or airless spray).
- Resistant to constant, heavy abrasion and wear conditions.
- Colour stable.
- Gives a sheen and anti-slip surface.
- Does not show the chalking effect of aromatic polyurethane waterproofing coatings.
- Maintains its mechanical properties over a temperature span of -10°C to +75°C.
- Compatible with self leveling screed

## Technical data

| PROPERTY  | RESULTS   | TEST METHOD              |
|---|---|--------------------------|
| Composition   | Pigmented Aliphatic Polyurethane pre-polymer. Solvent based | -                        |
| Bond Strength to Concrete                           | > 2.0MPa<br>Cohesive Failure within Concrete                | ASTM D 4541 (adopted)    |
| UV stability  | excellent   | ASTM G154                |
| Abrasion Resistance<br>CS17,1000 cycles, 1kg weight | < 85 mg   | ASTM D4060: 2010         |
| Tensile Strength                                    | > 20 N/mm <sup>2</sup>                                      | ASTM D638                |
| Elongation  | > 10%   | ASTM D638                |
| Shore D Hardness                                    | 65  | ASTM D2240               |
| Maximum over – coating<br>(time between layers)     | 12 hours  | -                        |
| Application Temperature                             | 10°C to 35°C  | Conditions: 20°C, 50% RH |
| Service Temperature                                 | < 75°C  |                          |
| Tack Free Time                                      | 2 - 3 hours @ 20°C  |                          |
| Light Pedestrian Traffic Time                       | 24 hours  |                          |
| Final Curing Time                                   | 5 days  |                          |
| Open to Traffic                                     | 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 QUICSEAL 135 solvent free epoxy primer at a coverage of 0.25 – 0.3kg/m<sup>2</sup>. 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, taking 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.

### **Application**

Apply the mixed QUICSEAL 374 immediately after mixing using a roller or airless spray at a coverage of 0.15kg/m<sup>2</sup> per coat on primed surface with no aggregates and at 0.25kg/m<sup>2</sup> 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. 3 hours) and within 12 hours.

### **Packaging**

18kg / set

### **Consumption**

300 – 600g ml/m<sup>2</sup> in two layers. 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 9002, 7022)

Other RAL colors supplied on request with minimum order quantity

### **Shelf Life**

QUICSEAL 374 should be stored in dry and cool rooms for minimum of 6 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. See information supplied by manufacturer. Please study to the Material Safety Data Sheet.

### **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 QUICSEAL

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