STRONGCOAT WD

Water-based epoxy coating for wall and floor surfaces

TECHNICAL DATA SHEET PUBLISHED JUNE 2014

PRODUCT FEATURES

Strongcoat WD is a two-pack solvent free, water-based epoxy coating that provides wall and floor surfaces with a seamless, hygienic and cosmetically attractive finish.

Strongcoat WD is applied by brush, roller or airless spray (minimum two coats) and has good durability towards pedestrian and vehicular traffic. It is also resistant to many of the chemicals commonly found in an industrial environment (consult Technical for further details). It can be supplied in a variety of colours (consult our Sales Department for details).

Slip resistant finishes can be produced for very demanding situations.

KIT FORM

5Kg and 10Kg

SPECIFIED COATING THICKNESS

Approximately 100 microns/coat.

COVERAGE

Approximately 8m²/Kg at the specified coating thickness.

STORAGE

Store at temperatures between 5° C and 30° C.

SHELF LIFE

Approximately 12 months if stored in unopened containers and under good conditions.

SURFACE PREPARATION

The surface must be clean, dry (less than 75% RH measured by hygrometer) and free from dust, laitance, oils, paints or other forms of contamination. Grit blasting can be used to remove laitance and surface contamination (see DCP Guide to Surface Preparation for further details). For treatment of surfaces containing expansion joints consult our Technical Department.

TECHNICAL INFORMATION

EN 13813 Designation	SR-ARO,5-B2,0-IR4
Wear Resistance (EN 13892-4)	≤ 50 µm
Bond Strength (EN 13892-8)	≥ 2.0 N/mm²
Impact Resistance (EN ISO 6272-1)	≥ 4 Nm

MIXING

Taking care to ensure that the bottom and sides are thoroughly scraped, transfer the entire contents of the Strongcoat WD Hardener and Strongcoat WD Resin container into a mixing bucket and, using a jiffy-type mixer attached to a slow-running electric drill, mix for approximately two minutes.

Important: Never mix Strongcoat WD by hand as this could lead to areas of uncured material.

APPLICATION

Once mixing is complete, transfer the Strongcoat WD to a roller tray and, using a medium-pile simulated sheepskin roller, apply it evenly over the surface.

WORKING TIME

Strongcoat WD has a working time of approximately 20 minutes at 20°C.

Important: Never leave the mixed Strongcoat WD kit to stand for any length of time prior to application as this will considerably shorten its working time.

CLEANING

Once mixing and application are complete, tools can be cleaned with cold water.

CURING TIME

At 20°C Strongcoat WD should be allowed to cure for 24 hours prior to opening it to pedestrian traffic.

At the same temperature, Strongcoat WD should be allowed to cure for approximately seven days prior to opening it to vehicular traffic or exposing it to chemical contamination (consult our Technical Department for details of curing times at other temperatures).

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OVERCOATING

Further coats of Strongcoat WD must be applied no later than 24 hours at 20°C after the preceding coat has cured.

Additionally, Strongcoat WD must not be contaminated prior to applying the further coat.

SLIP RESISTANT FINISHES

Apply a coat of **Strongcoat Primer** to the surface and allow it to cure for the specified time (see the Strongcoat Primer Data Sheet for further details). Apply a further coat of Strongcoat

Primer and, whilst this is still wet, completely blind it with the desired grade of aggregate. Once cured vacuum off the excess aggregate and then seal with a minimum of 1 coat of Strongcoat WD. Two coats of Strongcoat WD may be required on coarser textures.

Important: The coverage rate of Strongcoat WD will be considerably reduced when using it to seal aggregates.

WORKING CONDITIONS

Strongcoat WD should not be applied at temperatures less than 10°C.

HEALTH & SAFETY

Consult the appropriate Material Safety Data Sheets prior to using Strongcoat WD.

GENERAL GUIDANCE

This Data Sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Further information is available from our Technical Department.

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