

DECKCOAT

Description

Deckcoat is a two pack Epoxy resin coating modified to impart toughness, resilience and waterproofing properties to the cured film. The abrasion and impact resistance, together with the low temperature flexibility and excellent adhesion to concrete, make Deckcoat an ideal material for use as a membrane subjected to vehicular traffic.

By broadcasting a layer of Silica Sand or Calcined Bauxite between coats of Deckcoat, a non-slip or non-skid surface profile can be achieved.

Typical Uses

As a non-slip membrane for car parks, ramps, plant rooms, walkways, etc..
As a protective lining for chemical bunds.

Advantages

- * Tough and hardwearing
- * Flexible
- * Excellent abrasion and impact resistance
- * Proven chemical resistance
- * Low odour during application
- * Range of colours
- * Good water and weathering resistance
- * Non-slip or non-skid finish available

Typical Properties

Colours: grey, green (any BS4800 or RAL colour can be supplied)

Pot Life: 60 minutes @ 20C

Minimum overcoating interval: 16 hours @ 20C

Maximum overcoating interval: 48 hours @ 20C

Tensile Strength: 15N/Sq.mm.

Elongation at break: 85%

Chemical resistance:

Excellent resistance to dilute acids, dilute alkalis, petrol, diesel, oil, salts.

Please consult us for specific advice.

PROCEDURE

1) Surface preparation

All surfaces should be sound, clean, and free from dust, dirt, laitance, oil and other contaminants. All laitance must be removed by vacuum grit blasting, ensuring that any residual dust is removed prior to coating application.

New concrete surfaces must be a minimum of 21 days old and/or have a residual moisture content below 6%.

Steel substrates shall be grit blasted to Sa.2.5 Swedish standard.

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2) Priming

A primer coat of WB Primer is recommended on concrete substrates. This will facilitate application to damp and/or absorbent surfaces.

Apply the WB Primer at a nominal rate of 0.2Kg per Sq.m. in accordance with the product data sheet instructions. Allow the milky colour of the primer to disappear before overcoating. This will typically be between 2-4 hours, depending on temperature and ventilation conditions.

3) Mixing

The entire contents of the Curing Agent container should be poured into the Base container, and the two components thoroughly mixed until a uniform consistency has been achieved. The use of a mechanical mixer, such as a low speed drill stirrer, is recommended.

4) Application

Apply by brush, roller or airless spray at a nominal rate of 0.3Kg/Sq.m. per coat, with a minimum of 16 hours between coats.

a) Non-slip/non-skid profiles may be achieved by broadcasting an appropriate aggregate on to the first coat whilst wet. The following day any surplus aggregate may be swept from the surface before applying a second coat of Deckcoat. Depending on the size and shape of the aggregate used, the application rate of the second coat of Deckcoat will be 0.4 - 0.6 kg/Sq.m., owing to the increased surface area.

b) Glass fibre reinforcement - may be used in conjunction with Deckcoat for bund linings so as to provide increased coating thickness, superior mechanical integrity, and the ability to bridge fine cracks.

The glass fibre fabric, typically open weave, 110g/Sq.m., glass cloth, is laid into the first coat of Deckcoat and smoothed out with a split washer roller. The second coat of Deckcoat may then be applied at the appropriate interval.

5) Equipment Cleaning

Clean all equipment, immediately after use, with Toolclean.

6) Curing

Allow a minimum of 24 hours cure @ 20C prior to light foot traffic, and a minimum of 48 hours cure @ 20C prior to full traffic access.

7 days cure @ 20C should be allowed prior to exposure to chemicals.

7) Packaging

Deckcoat is supplied in 5Kg and 15Kg packs.

8) Coverage

A 5Kg pack of Deckcoat will be sufficient to treat an area of 8.3 Sq.m. with the recommended two coat application, providing a total d.f.t. of 500 microns.

Note: Coverage will be reduced with non-slip/non-skid systems. Please consult our Technical Section for advice.

9) Storage and Shelf Life

Store in dry conditions, out of direct sunlight, at temperatures between 10C and 25C.

Deckcoat has a minimum shelf life of 12 months when stored in original, unopened containers in accordance with manufacturers instructions.

10 Limitations

Do not apply to saturated or uncured concrete surfaces.

Do not apply at temperatures below 3C.

11) Health and Safety

Avoid contact of the material with skin and eyes.

Wear appropriate gloves, overalls and eye protection during use.

Wash off with soap and water if the material comes into contact with the skin.

Any eye contamination must be rapidly irrigated with copious amounts of clean water, and immediate medical attention sought.

Please refer to Material Safety Data Sheet for additional information.

Deckcoat shall be applied strictly in accordance with the manufacturers instructions.