



CEM 2K BS

Two Component Acrylic Modified Flexible Cementitious Waterproof Coating

Pack Size
40Kgs & 20Kgs

TDS
Technical Data Sheet



Product Description

CEM 2K BS is a versatile two-component, cementitious waterproofing compound formulated with advanced acrylic polymer technology. It is designed for use in areas where substrates are subjected to movement and require crack-bridging properties. This coating offers superior flexibility and water resistance, making it ideal for various waterproofing applications.

Standards:

This conforms to the Global Migration Standards in 21 CFTRI 175 - 300 (April 1, 2019) of the US FDA for contact with aqueous food products.

Key Features

- **Flexible:** Accommodates normal building movements and hairline cracks.
- **Pressure Resistant:** Resists both positive and negative pressure.
- **UV Stable:** Can be left exposed without degradation.
- **Easy Application:** It can be applied with a brush, roller, or spray.
- **Water-based:** Safe to use, low odour, and easy to clean.
- **Excellent Bonding:** Adheres well to concrete, masonry, ceramics, and most common substrates.*
- **Self-Priming:** No additional primer is required.
- **Non-toxic:** Safe for internal waterproofing of potable water tanks.
- **Vapor Permeable:** Allows water vapour to escape from the substrate.

*Note: Necessary mechanical surface preparation is required..

Physical Properties:

Appearance:	Grey colour, homogeneous with brushable consistency
Mixed Material Density	1.5 g/cc
Pot Life	3 hours
Re-Coat Time	2 - 3 hours
Elongation @ seven days (ASTM D 412)	>200%
Adhesion to Concrete (ASTM D 4541)	>1.20 N/mm ²

Crack Bridging Capability up to 2mm (ASTM C836)	Pass
No Crack after 10 Cycle of Stretching and Closing at 1mm Width (ASTM C836):	Pass
Water Vapor Transmission (ASTM E 96)	1.12g/m ² /24hrs
Tensile Strength	>2.0 N/mm ²
VOC Content	24 g/L

Coverage Estimates:

Approx. 24 m² per pack in two coats.

Application Instructions:

Surface Preparation:

Ensure the surface is dry, clean, structurally sound, and free from oil, grease, wax, polish, laitance, dust, and other barrier materials. Treat all vertical bore packing with Carbolink's SG Grout and horizontal bore packing with polymer-modified mortar admixed with Carbolink's CreteBond. Install coverings using polymer-modified mortar mixed with CreteBond if required.

Mixing:

Thoroughly stir the liquid component and pour it into a suitable mixing vessel. Slowly add the powder while mixing with a spiral mixing paddle in a slow-speed drill. Continue mixing until a consistent, homogeneous mix is achieved.

Application:

Saturate the surface with clean water. Apply the first CEM 2K BS coat using a short, stiff bristle brush or roller while the surface is wet but free of standing water. Allow the first coat to dry for 2 - 3 hours before applying the second coat at a right angle to the first. Let the membrane dry entirely before applying tiles or other finishes.

Application Thickness Per Coat: Approx. 0.6mm

Coat Consumption (min 2 Coats): Approx. 24 m²

Consumption 2 of 2 Coats (kg/m²): Approx. 1.7 kg (depending on substrate condition)

Cleaning:

Wash hands, brushes, rollers, and other tools with water while the material is fresh. Remove cured material mechanically.

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Data Reliability

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

Regional Compliance

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

Legal Disclaimer

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