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The Trusted Brand in
**CONSTRUCTION
CHEMICALS**

CEMTEC BRUSHCOAT

POLYMER MODIFIED CEMENTITIOUS WATER PROOFING COATING



DESCRIPTION

CEMTEC BRUSHCOAT is a prepackaged cementitious brush, or roller applied surfacing material. Modified with a high solids latex, this material exhibits excellent bond strength with reduced permeability. **CEMTEC BRUSHCOAT** forms a breathable protective coating. **CEMTEC BRUSHCOAT** protects exposed reinforced concrete structures from attack from acidic gases and chloride ions. The coating is particularly suitable for use in areas of coastal and marine environments and can be used in all types of structures, for existing and new concrete. **CEMTEC BRUSHCOAT** exhibits high wear resistance, weather resistance and is suitable to be used as a decorative coating. The coating provides seamless resilient waterproofing which is suitable for reservoirs, roofs, & water tanks.

FEATURE & BENEFITS

- Suitable for waterproofing water retaining structures.
- Polymer modification reduces permeability and dusting while increasing bond, tensile and flexural strength.
- Excellent resistance against the Middle East Environment.
- Non-toxic
- For interior or exterior use
- Excellent wear resistance.
- User friendly - low labor cost.

DIRECTIONS FOR USE

Surface Preparation

Concrete must be clean and rough. All oil, dirt, debris, paint and unsound concrete must be removed. The surface can be prepared mechanically using sandblasting, shotblasting or scarifier which will give a slight surface profile. The final step in cleaning should be complete removal of all residue with a vacuum cleaner or by pressure washing. Acid etching is acceptable only when mechanical preparation is impractical. It is recommended that only contractors experienced in the acid etching process use this means of surface preparation. The salt of the reaction must be thoroughly pressure washed away. Prior to application, the surface should be pre-soaked with clean water, excess standing water should be removed.

Note

Even with proper procedures an acid etched surface may not provide strong bond as produced by mechanical preparation procedures. All concrete must possess an open surface texture with all curing compounds and sealers removed. All cracks over 2mm wide should be routed out to a 6 mm width and 6mm depth and patched and repaired prior and patched and repaired to application of **CEMTEC BRUSHCOAT**.

Mixing

CEMTEC BRUSHCOAT should be mixed using slow speed mixer. Use a paddle type mortar mixer for large jobs. Add the appropriate amount of liquid for the batch size and then add the dry product. Mix for a minimum of 3 minutes, endeavour to avoid air entrapment. **CEMTEC BRUSHCOAT** should be placed immediately after mixing, avoid mixing more material that can be used within 45 minutes. For the Middle East climatic conditions, where the temp. exceeds 40 ° C , use of a primer coat of **CEMTEC BRUSHCOAT** powder and water mixed in a slurry like consistency. Apply **CEMTEC BRUSHCOAT** directly over the slurry/primer coat.

Cleaning

Use clean water for cleaning of equipment and tools.

TECHNICAL INFORMATION

Bond Strength	3.6 Mpa
Compressive Strength	5600 psi
Flexural Strength	1600 psi
Toxicity	Non-toxic
Density	1.7gm/Cm ³
Tensile Strength	725 psi

Chloride Ion Resistance

6 months (% Cl detected)	Coated 0.0004%	Uncoated 0.035%
Moisture Vapor Permeability		200 gm/m
Application Temp		not below 5°C

COVERAGE	One kit of CEMTEC BRUSHCOAT covers 18m ² at 1 mm thickness. If CEMTEC BRUSHCOAT is to be subjected to light foot traffic minimum thickness should be 2 mm.
PACKAGING	Available in packaged as 20 Kg powder and 10 liters of Latex additives.
COLOURS	White & Grey

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Quality Statement

CMCI manufactures its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high performance construction products CMCI also offers full technical field support to consultants, Architects, contractors, applicators and End Users.

"High Quality Construction Chemicals"
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The Technical Specification information and recommendations given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no warranty and or responsibility is assumed on the performance of work completion executed with use of our products.

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