

CEMTEC BRUSHCOAT

POLYMER MODIFIED CEMENTITIOUS WATER PROOFING COATING

CEMTEC BRUSHCOAT is a prepackaged cementitious brush, roller or spray 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 and flexible waterproofing which is suitable for reservoirs roofs and water tanks.

ADVANTAGES

- 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.

PACKAGING

CEMTEC BRUSHCOAT - is packaged as 20 Kg powder and 10 liters of Latex additives.

TECHNICAL INFORMATION

Bond Strength	-	3.6 MPa (520 psi)
Compressive Strength	-	5600 psi
Flexural Strength	-	1600 psi
Toxicity	-	Non-toxic
Density	-	1.7 gm/cm ³
Tensile Strength	-	725 psi
Chloride	Coated	Uncoated
Ion Resistance		
6 months (% Cl detected)	0.0004%	0.035%
Moisture Vapor Permeability		200 gm/m ² /day
Application Temp.		not below 5°C

COVERAGE

CEMTEC BRUSHCOAT coverage rate is 18 m² at 1 mm thickness. If **CEMTEC BRUSHCOAT** is to be subjected to light foot traffic minimum thickness should be 2 mm.

COLORS

Grey, White and Beige.

DIRECTION 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 prior 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

Utilize clean water for cleaning of equipment and tools.

QUALITY STATEMENT

CMCI manufacture 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

The Technical Specification information and recommendation 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 guaranty and or responsibility is assumed on the performance of work completion executed with use of our products.