

POXEECOTE WB

WATER BASED EPOXY COATING



DESCRIPTION

POXEECOTE WB is a two-component, water dispersed epoxy coating supplied in pre-weighed packs ready for on-site mixing and use. POXEECOTE WB on application and curing forms a tough coating with matt finish. It is suitable for application on concrete and steel substrates.

FEATURES & BENEFITS:

- Good resistance to wide range of chemicals and abrasion.
- Being water based, it is safe to use and possesses low odor.
- Easy to clean, thus minimizing cleaning costs.
- Provides a neat and aesthetically attractive appearance.
- Economical and easy to apply.

BASIC USES:

It is primarily designed for use as a dustproof coating, which is resistant to most oils and liquids. It is suitable for use on walls and floors in hospitals, pharmaceutical industries, food processing areas, kitchens, warehouses, garages, and industrial areas subjected to foot and light vehicular traffic. It can also be applied as a coating over dry shakes such as CEMTEC DRY SHAKE, CEMPLATE HD etc.

SPECIFICATION CLAUSE:

The floor coating shall be POXEECOTE WB, a two component water dispersed epoxy suitable for application by brush or roller. The coating shall be applied in 2 coats to achieve a DFT of 300 microns.

CHEMICAL RESISTANCE

POXEECOTE WB is resistant to wide range of chemicals. Details regarding specific chemicals can be obtained from CMCI Technical Department on request.

DIRECTIONS FOR USE:

Surface Preparation:

Concrete must be structurally sound, dry, clean and free from laitance, oil, dust, curing compounds, grease and other loose particles. Concrete surface must be cleaned thoroughly and prepared by sand blasting, grinding, wire brushing or any other possible mechanical means. The entire residue must be removed by vacuum cleaning.

Repairs:

Any repairs such as filling the voids, cracks, blowholes etc shall be done with CEMTEC R44 Epoxy Gel or CEMTEC EPOMORT 100.

Epoxy Screed Coating:

POXEECOTE WB can be applied directly over CMCI epoxy screeds such as CEMTEC EPOMORT 100, EPOFLOOR WS etc., Prior to the application of coating, High spots or trowel marks in the screed should be rubbed down and other debris removed by vacuum cleaning.

Mixing:

The individual contents of POXEECOTE WB should be thoroughly stirred before the two are mixed together. The entire contents of the hardener should be poured into the resin and mixed thoroughly for at least 3 minutes to get a homogeneous mix. The use of a heavy-duty slow speed drill fitted with a mixing paddle is desirable.

Application:

Thoroughly mixed POXEECOTE WB should be applied to the prepared surface using a brush or roller. Ensure that the area is completely coated and that 'ponding' of the material does not occur since water may be trapped within the product, thus preventing complete cure.

Recoat interval depends on the type of surface and other ambient conditions. The first Coat shall be allowed to dry for at least 12 to 24 hours prior to the application of second coat. Good drying conditions are required to allow the complete evaporation of the water as the coating cures. Adequate ventilation and air movement is necessary.

CLEAN-UP:

POXEECOTE WB should be removed from tools and equipment with clean water immediately after use. All other epoxy based products should be removed from tools and equipment using CEMTEC SOLVENT. Hardened material can only be removed

SHELF LIFE:

1 year in unopened container when stored in original and unopened packs in a dry warehouse.

COVERAGE	One liter would cover @ 4.5-5.0 m ² per coat at wet film thickness of 200 microns. Two coat would achieve a dry film thickness of 300 microns approximately. The above coverage figures are theoretical. Practical coverage rates may differ due to nature of substrate, wastage and other factor
PACKAGING	POXEECOTE WB is packed in 10 liter kits
COLOUR	Available in Grey, Off white and Maroon

STORAGE CONDITIONS

Store in dry conditions between 10 to 30°C, away from sources of heat and naked flames in the original, unopened packs. If stored at high temperatures the shelf life may be reduced. Protect the material from frost.

TECHNICAL SUPPORT

CMCI offers on site technical assistance to specifiers, end users and contractors. Information regarding other CMCI's products on water-proofing membranes, flooring materials, joint sealants, grouts, repair products etc can be obtained from CMCI office.

MAINTENANCE

Routine maintenance is necessary in areas where chemical spillage is likely to occur. It is especially important that spillage should not be allowed to dry since very high concentrations of chemicals will result.

The service life of the areas coated with POX-EECOTE WB can be considerably extended by routine maintenance, which may be carried out using a rotary scrubbing machine with a water miscible cleaning agent.

TECHNICAL INFORMATION:

The following results were obtained when tested at 35°C, under laboratory conditions.

Pot life	: 50 min
Recoat Interval	: 12 – 24 hours
Initial Hardness	: 24 hours
Full Cure	: 7 days
Dry Film Thickness (in 2 coats)	: 300 microns(approx.)
Abrasion Resistance (CS17 wheel)	: 0.180gm/1000 rev/1000gm (ASTM D 4060)
Adhesion Strength	: > 1.5N/mm ² (ASTM D 4541)
Hardness 'Shore D'	: 54 (7 days) (ASTM D 2240)
Hardness 'Shore A'	: 83 (ASTM D 2240)

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.

HEALTH & SAFETY

- This product may vary in colour and may yellown and chalk after prolonged exposure to sunlight.
- Bring material as close to 21°C as possible. Store in room temperature environment 24 hours prior to use.
- Store indoor at 10-30°C
- Epoxy components may cause irritation. Avoid contact with eyes and skin.
- Do not apply over free standing water.
- Do not apply over hardened primer or old epoxy without proper surface preparation.
- Not recommended to use a surface sealer over new concrete less than 30 days old.
- Not recommended to use when base concrete is at a temperature under 4°C.

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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 guaranty and or responsibility is assumed on the performance of work completion executed with use of our products.