TECHNICAL DATA SHEET

EPOCOTE WB

Water based epoxy coating



PREMCRETE

EPOCOTE WB



DESCRIPTION

EPOCOTE WB is a water-based epoxy coating suitable for application to concrete masonry steel and other porous substrates. Its aqueous nature makes it particularly suitable for use in environmentally sensitive environments. It is also very user friendly, due to its exceptionally low odour. It is a two-component product comprising of a base component and a curing agent. It is supplied in pre-weighed packs, suitable for easy mixing on site, it offers good chemical resistance and is highly durable.

USES

EPOCOTE WB is suitable for application to floors and walls where a durable chemical resistant coating is required, it is easily cleaned and is suitable for use in food preparation areas. It offers good resistance to a wide range of chemicals, including dilute acids and alkaloids, vegetable oils, petrol and diesel.

ADVANTAGES

- Extremely low odour.
- Ease of application by semi-skilled operatives.
- Suitable for application to damp substrates.
- Good resistance to a wide range of chemicals.

TECHNICAL & PERFORMANCE PROPERTIES

Property	Test Method	Value
Colour	N/A	Grey (Any RAL colour can be mixed)
Solids Content	N/A	65%
Pot Life	N/A	90 mins @ 20^{0}C
Application Temperature	N/A	50^{0}C to 25^{0}C
Full Chemical Resistance	N/A	7 Days @ 20^{0}C
Temperature Resistance	N/A	70^{0}C

EPOCOTE WB

INSTALLATION PROCEDURE

Surface Preparation

Correct surface preparation is paramount to the success of the applied coating. Concrete and masonry surfaces should be sound, clean and free from dust, surface laitance, grease, hydrocarbons and other deleterious materials. It is important to prepare the surface by mechanical means, such as vacuum grit blasting and diamond grinding to ensure the complete removal of any contaminants and to provide an adequate key for the coating. The moisture of new concrete substrates should be less than 6% RH. Imperfections in the substrate should be repaired using a suitable PREMCRETE REPAIR PRODUCT. Steel surfaces should be grit blasted to a nominal SA 2.5 Swedish standard; steel substrates should be primed immediately once preparation has finished to decrease the chance of flush rusting.

Priming

Porous substrates, may require the use of a primer. EPOPRIME WB should be applied to the prepared surface in accordance with the appropriate datasheet. If the floor does not have a suitable damp-proof membrane, then EPOPRIME DPM should be used as the primer to provide suitable resistance to ground moisture.

Mixing

The contents of the curing agent component should be poured into the base component tin and mixed thoroughly using a slow speed drill and paddle mixer until a homogeneous mix is achieved, which is uniform in colour and consistency. Special care should be taken to ensure that packs are not part mixed.

Application

EPOCOTE WB should be applied using a suitable brush, roller or airless spray equipment at a rate 0.2Kg per M^2 on large horizontal areas that maybe beneficial to pour the mixed material evenly onto the substrate so as to increase the pot life of the coating. After a maximum of 24hrs a second coat of EPOCOTE WB should be applied at 0.2Kg per M^2. If a sealed non-slip finish is required, then quartz aggregate should be broadcast into the first coat before removing excess aggregate and then application of the second coat.
If the coating is to be overlaid with a cementitious screed, then a quartz aggregate should be broadcast into the freshly applied coating to provide an effective key.

Curing

EPOCOTE WB should be allowed to cure for a minimum of 24hrs at 20^0C, before light foot traffic and 48 days @ 20^0C prior to vehicular traffic. The coating would have cured sufficiently after 7 days @ 20^0C to be fully chemical resistant.

Equipment Cleaning

Tools should be cleaned immediately using PREMCRETE CLEANING SOLVENT.

PACKAGING & COVERAGE

Pack Size

5kg and 15kg packs.

Coverage

Should be applied at a rate of 0.2Kg per m^2 per coat.
1 x 5Kg pack will cover approximately $12m^2$ with a two coat application.

STORAGE & SHELF LIFE

Store in clean, dry conditions at temperatures between 10^0C and 30^0C. When stored in unopened containers, EPOCOTE WB will have a shelf life of 12 months.

HEALTH & SAFETY

See separate Material Safety Data Sheet.

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