

EPOCOAT HB

High Build Epoxy Floor and Wall Coating

Description

EPOCOAT HB has been developed to provide protective and decorative properties to concrete, steel and other substrates.

The material is supplied as a two pack system, comprising pre- weighed amounts of BASE and CURING AGENT. After mixing together, an easily applied chemical and abrasion resistant finish is produced.

Typical Uses

As a waterproof, tough, chemical resistant floor or wall coating in food preparation areas, breweries, abattoirs, bottling factories, etc.

As an internal lining for concrete or steel storage tanks containing oils, chemicals, water, etc. It is particularly suitable for chemical bunds.

Advantages

- Solvent free, low odour
- Very good chemical resistance
- Excellent adhesion to concrete and steel
- High build
- Tough and durable
- Easily applied
- Hygienic and easily cleaned

Typical Properties

Pot Life @ 20°C:	30 minutes
Pot Life @ 10°C:	60 minutes
Tack Free Time @ 20°C:	5 hours
Hard Dry Time @ 20°C:	12 hours
Full Chemical Resistance:	7 days @ 20°C
Coverage:	0.25 - 0.30 kg/m ² /coat
Adhesive strength to concrete:	3.9 N/mm ² (concrete failure)
Adhesive strength to Mild Steel:	>12 N/mm ²
Chemical Resistance:	Excellent resistance to dilute acids and alkalis, oil, petrol, diesel, vegetable oils. Specific advice will be provided by our Technical Section.

Surface Preparation

a) Concrete shall be a minimum of 21 days old and/or the residual moisture content shall be below 6%.

Ensure that the concrete is clean and free from dust, laitance, grease, oil, curing compound, existing paint finishes, etc. Blow holes and defective concrete shall be made good using a proprietary repair compound, e.g. CEMART EP Mortar.

Blockwork shall be sealed using CEMART Surfacer. Suitable mechanical treatment, such as vacuum grit-blasting, is the preferred treatment prior to application, as this ensures a mechanical "key" for the coating.

b) Steel surfaces shall be shot blasted or grit blasted to a nominal Sa 2.5 Swedish standard. All dust and grease shall be removed prior to coating application. If a delay is likely to occur between blasting and application then it is recommended that a coat of CEMART Steelprime be applied as holding primer to obviate flash rusting.

Mixing

Pour the contents of the CURING AGENT tin into the BASE container and thoroughly mix, preferably by mechanical means until a uniform colour is achieved.

Application

Apply by brush, short piled roller or airless spray, at a nominal rate of 0.25 - 0.30 kg/m². After a minimum of 14 hours and before a maximum of 48 hours, apply a second coat at the same rate.

Should a non-slip finish be required, then broadcast an appropriate Silica Sand immediately after the first coat. Brush off excess sand the following day, prior to applying the second coat.

Equipment Cleaning

Clean equipment with CEMART TOOLCLEAN prior to curing of the coating.

Curing

Allow to cure for a minimum of 24 hours @ 20°C prior to light foot traffic access and 48 hours @ 20°C prior to vehicular trafficking. 7 days cure @ 20°C is recommended prior to exposure to chemicals.

Packaging

EPOCOAT HB is supplied in 25 kg, 5 kg and 10 kg packs.

Coverage

A 5 kg pack is sufficient to coat 8.3 -10.0 m² of surface with the recommended two coat treatment, providing an overall d.f.t. of 425 - 500 microns.

Storage and Shelf Life

Store in dry conditions at temperatures between 10°C and 25°C. Do not expose to freezing conditions. EPOCOAT HB has a minimum of 12 months shelf life when stored in original, unopened containers in accordance with manufacturers instructions.

Limitations

Do not apply to wet or uncured concrete surfaces. Do not apply at temperatures of 3°C or less.

Health and Safety

Wear gloves and goggles.
Wash off splashes immediately with soap and water. Please refer to Material Safety Data Sheet for additional information. EPOCOAT HB shall be applied strictly in accordance with the manufacturers instructions. For specific advice regarding any aspect of this product, please consult our Technical Department.

General Guidance

This Data Sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Further information is available from our Technical Department. Please consult our Sales Department to confirm that this Data Sheet is the current issue.