



FEDERAL INDUSTRIAL LININGS

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TECHNICAL DATA SHEET

FEDCOAT - HBE

DESCRIPTION

FedCoat - HBE is a two component high build, solvent free epoxy coating. It is an abrasion resistant 100% volume solids coating specially designed to be used as a hardwearing epoxy coating in high wear & abrasion flooring applications.

PRINCIPLE USES

FedCoat - HBE is intended as a floor coating for Commercial spaces, Factories & warehouses, Laboratories, Electronic (clean rooms), Automotive, Aerospace, All medium to heavy duty traffic environments where durability is required.

PERFORMANCE DATA

Description

Results

Pot Life (Minutes)	35 min (20°C)
Mix Ratio	3 : 1 (by volume)
Specific Gravity (g/ml)	1.3 g/ml
Touch Dry (Hours) @ 25°C	10 hrs
Open Time / Over Coating Time @ 25°C	8 - 36 hrs
Hard Dry (Hours) @ 25°C	24 hrs
Walk on Dry (Hours) @ 25°C	48 hrs
Full Cure @ 25°C	7 days
Kit Size	5lt / 20lt
Volume Solids	100%
Theoretical Coverage (m ²)	2m ² p/lt @500µm DFT Depends on wastage & surface profile
Indicated WFT / DFT	500µm / 500µm
Service Temperature	Atmospheric 60°C / Submerged (Water) 50°C
Shelf Life	24 months

ADVANTAGES

- Easily applied by brush, roller or airless spray
- Good abrasion resistance
- Good resistance to high atmospheric temperatures
- Adhesion promoted – can be used on most concrete substrates

SURFACE PREPARATION

Mechanical preparation of the substrate is important before application of **FedCoat - HBE**. The substrate should be structurally sound and free of oil, dust and debris, grease, paint, corrosion deposits, laitance or other surface deposits.

MIXING

Premix base (Part A) and shake hardener (Part B) to disperse any settlement. Add all of Part B to part A and mix using a mixer with a mixing paddle at medium speed for 2-3 minutes until both components have fully dispersed and is homogenous. Ensure to rotate the mixer inside the container and into the corners of the container.

Only mix full kits.

APPLICATION

Apply **FedCoat - HBE** to the recommended thickness (500µm DFT per coat) using an airless sprayer or brushes & rollers to a cleaned and prepared surface. A written specification always supersedes any application guideline. Do not exceed 1000µm DFT per coat.

Apply subsequent coats within 8 to 36 hours after application. Should the over coating time be exceeded roughen the surface & wash the coating off with high pressure fresh water or solvent wipe to remove any surface salts prior to over coating.

CLEANING

Clean hands and skin immediately after use with industrial hand cleaner.

Clean tools and equipment immediately after use with Epoxy Thinners.

LIMITATIONS

- Application temperatures between 5°C and 40°C.
- Max service temperature is 60°C dry & 50°C submerged.
- Avoid excessive application.
- Avoid contact with skin.
- Do not release into sewer or surface water.

STORAGE AND STABILITY

Both **FedCoat - HBE** Part A and Part B have a shelf life of 24 months when stored in unopened containers in a cool, dry place. Failure to do so will result in a reduction of shelf life.

SAFETY AND HANDLING

FedCoat - HBE contains hazardous chemicals. Use only with adequate ventilation. Avoid breathing of vapours and prolonged or repeated skin contact. Protective clothing and gloves should be worn when handling this product. All sources of ignition should be removed. If exposed, eyes should be well flushed with water for 15 minutes and medical attention must be sought instantly.

This product is for professional use only. The applicators and operators must be trained, experienced and have the ability and equipment to apply the coatings correctly and according to specification. Applicators and operators must use the appropriate PPE when using this product. The safety procedures applicable to the handling of chemical materials should be read, understood and rigidly adhered to.

The information contained in this bulletin is, to the best of our knowledge true and accurate, but any recommendations or suggestions which may be made, are without guarantee, since the conditions of use are beyond our control. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents covering any material or its use.