

## ConCote EP HB

### Epoxy Hi-Build Floor Coating

#### DESCRIPTION

ConCote EP HB is a pigmented, three component, solvent free epoxy floor coating applied up to 0.5-1.0 mm thickness.

It is designed to protect concrete floors and timber in light and medium situations. This coating is impervious to moisture and easily cleaned and sanitized.

#### USES

ConCote EP HB is three component solvent free Epoxy developed specifically for coating a variety of floors in light to medium duty situations. Typical uses includes:

- Laboratories
- Hospitals
- Pharmaceuticals
- Fish, meat and food processing
- Showrooms
- Commercial Kitchens
- Warehouses, subject to heavy foot, rubber & teflon wheel traffic.
- Textile Garments Manufacturing Units.

#### ADVANTAGES

- Seamless & hygienic finish
- Easy to clean & maintain
- Attractive
- Non-Tainting
- Non-Dusting
- Excellent chemicals resistant to acid & sugar
- Economical & fast installation
- Excellent adhesion
- Good resistance to abrasion.
- Attractive - available in a range of colors.

#### TECHNICAL DATA:

Resin Type	Epoxy 3 Components
Mixed Density	1.42 Kg. /- Ltr.
Pot Life	25 minutes @ 30° C
Drying Time	4~6 hrs. touch dry
Foot Traffic	24 Hrs.
Full Traffic	72 Hrs.
Full Chemical Cure	7 Days
Impact Resistance	< 0,5 mm
Abrasion Resistant	< 0,02 mm
Water Permeability	Nil
Bond Strength	Cohesive strength of concrete

#### APPLICATIONS & SURFACE PREPARATIONS:

It is essential that ConCote EP HB is applied to sound, clean substrates in order to achieve maximum adhesion to the substrate. The substrate must be smooth, as any surface irregularities may show through the coating.

##### New Concrete Floors

The floor should be typically at least 28 days old and give a moisture test reading not exceeding 4%.

Dry removal of laitance by light grinding is preferable. Dust and other debris should then be removed by vacuum brush.

##### Old Concrete Floors

A sound, clean substrate is essential to achieve maximum adhesion. Mechanical grinding with heavy duty floor grinding machine is recommended. Oil and grease penetration should be removed by acid etching followed by pressure wash with hot water.

#### APPLICATION:

Grinded surface must be primed with Con Prime EP. The individual components of Con Prime EP should be thoroughly stirred before the two are mixed together. The entire contents of the hardener container should be poured into the base container and the two

materials mixed thoroughly for at least 3 minutes. The use of a heavy duty low speed (300 rpm) electric drill fitted with a paint mixer or a wing type paddle shall facilitate the mixing.

Concrete surface should be primed with mixed Epoxy Base Resin & Hardener with paint roller and left overnight to observe any pin holes etc. Scratch Coat by adding fine powder can be applied, depending on the surface conditions.

Final coat of **ConCote EP HB** should be applied using a brush/ float and bubble roller. It may be applied as soon as the primer/ scratch coat has initially dried (typically 18-24 hours). The time will be dependent on the type of surface and the ambient conditions. Adequate ventilation and air movement is necessary.

**CAUTION:**

After final coat the surface should be protected from foot traffic for at least 24 hours. Full traffic load should be delayed until at least 72 hours after the final coat.

**ROUTINE MAINTENANCE**

The service life of any floor is highly dependent on good housekeeping practices. Regular cleaning of **ConCote EP HB** will extend the life of floor considerably. Regular cleaning of **ConCote EP HB** may be carried out using a rotary scrubbing machine/ moping with a water miscible cleaning agent.

**PACKAGING:**

**ConCote EP HB** is available in 10.5 Kgs.

**COVERAGE:**

Coverage 1 Kg. Per m<sup>2</sup> at 0.5 mm  
Coverage 2 Kg. Per m<sup>2</sup> at 1.0 mm

**STORAGE:**

**ConCote EP HB** must be stored in the original unopened containers at 10<sup>0</sup> C-35<sup>0</sup> C.

**TECHNICAL SERVICES:**

A trained RADIANT representative is available to assist in the preparation of specifications, and the resolution of concrete problems in the field.

**HANDLING & STORAGE:**

**ConCote EP HB** has a shelf life of 12 months if kept in a dry cool place in the original packing.

**HEALTH & SAFETY PRECAUTIONS:**

Where temperatures is less than 5<sup>0</sup> C or greater than 35<sup>0</sup> C are encountered, contact our Technical Staff. **ConCote EP HB** is hazardous during mixing & application. Take precautionary measures to avoid any contact with eyes, mouth, skin and foodstuff. Any contact with eyes or skin should be washed off with soap and clean water. Protective gloves, goggles and clothing should be worn. Repeated contact with epoxy resins and hardeners can cause sensitization in some people handling this type of product. Where this occurs, seek medical advice before continuing use.

**IMPORTANT NOTE:**

**RADIANT Construction Technologies** manufactures wide range of construction chemicals, including admixtures, concrete repairing mortars, curing compounds, adhesives, concrete protection coatings, waterproof coatings, grouts & Tile Bond.

Separate Technical Data Sheets are available for these products.