

# POWER EP-COAT 170 WB

Water Based Epoxy Coating for Floor / Wall



## PRODUCT DESCRIPTION

**POWER EP-COAT 170 WB** is a two component, solvent-less, water based, low odour, polyamine modified epoxy coating. It acts as a tough abrasion resistant coating that withstands wear and chemical attack in a variety of applications. POWER EP-COAT 170 WB should be used in many areas where a solvent-based product is not permitted. POWER EP-COAT 170 WB is self-priming in nature. POWER EP-COAT 170 WB comes in a variety of colours with matt finish. POWER EP-COAT 170 WB is tested by CFTRI as per 21 CFR 175-300 of US FDA test method.

## CHARACTERISTICS

Pot Life @ 30°C	60 - 120 minutes	Application Temp	< 10°C > 40°C
Curing Time Suitable for • Foot Traffic • Wheel Traffic	After 24 hrs. After 7 days	Recoating Time • Minimum • Maximum	8 24
DFT	100 - 130 microns	Theoretical Coverage, gm / m <sup>2</sup> *	200 in 2 coats

- Depending upon surface condition.

### APPLICATION

- Damp concrete substrate
- Concrete substrate which is wet for curing, as curing compound
- Food processing plants / Dairies
- Ware house floors
- Chemical plants
- Manufacturing plants
- Reservoirs

### APPLICATION METHODOLOGY

- Prepare the surface by mechanical grinding or other suitable method.
- Remove dust, flakes, oil, grease or other loose foreign particles by sand blasting, iron brush or compressed air. Remove old painting using surface grinder.
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- For best bond, concrete surface must be slightly textured.
- Allow it to dry before priming.
- Ensure that concrete must be cured at least 28 days and moisture content is below 5%.

### MATERIAL PREPARATION

- Mix Power EP-COAT 170 WB Component A (Resin) & B (Hardener) thoroughly by using speed drill mixer with a spiral type blade at the bottom of stirrer rod. The speed may be 1000 rpm till homogeneous mix is obtained. Then add component B (Resin) slowly, ensuring complete dispersion.
- After stirring, wait for the product to settle in order to let entrapped air escape.
- **Application of Material**
- Prime the surface using Power EP-COAT 170 WB and allow to dry.
- Apply Power EP-COAT 170 WB by brush / roller on the primed surface.

### STORAGE

Store in a cool dry place, under shed, away from heat.

### PACKING

Available in 5 kg unit packed in 10 kg carton.

### SHELF LIFE

12 months in original unopened sealed conditions.

### ADVANTAGES

- Being water based, it does not release solvent in air.
- Helps ensure good adhesion and also prevents air release from the porous substrate, which may cause bubbles in the final epoxy topping later.
- Can be applied to concrete immediately after removal of shuttering.
- Provides excellent wear under traffic.
- Non-flammable / Non-toxic.
- Resists mildew.

### LIMITATIONS

- Do not apply Power EP-COAT 170 WB on surfaces known to, or likely to, suffer from rising dampness, potential osmosis problems or having relative humidity greater than 75%.
- Do not apply Power EP-COAT 170 WB to asphalt, weak or infirm concrete, unmodified sand / cement screeds, PVC tiles or sheets, or substrates known to move substantially e.g., steel walkways.
- In common with all epoxy materials some light shade changes may be experienced over the long term when placed in adverse exposure conditions. Any such change in shade is not regarded as being detrimental to performance.



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