



## PolyPoxy TC 2K HB

Two Component High Build Epoxy Floor Top Coating

### DESCRIPTION

PolyPoxy TC 2K HB is a high build Epoxy floor coating with high resistance to abrasion and provides dust free floor surface. The cured surface is hard and gives smooth finish.

PolyPoxy TC 2K HB provides joint less, monolithic, smooth, nonporous and hygienic floor, which is easy to clean and maintain. It has excellent resistance to abrasion. It cures to give a semi gloss finish.

### TECHNICAL DATA

Pot Life at 30 °C	3.30 - 4 hrs	Time between coats	8 – 12 hrs
Adhesion to concrete	Excellent	Tack free time	4 – 6 hrs
Water absorption	Nil	DFT	200 μ
Curing Time at 30 °C		Theoretical Coverage gms / sqm	300 in two coats
Foot Traffic	24 hrs		
Vehicle Traffic	72 hrs		
Full cure	7 days		

PolyPoxy TC 2K HB resists Citric Acid 10%, Hydrochloric Acid 10%, Lactic Acid 10% and Sulphuric Acid 10%

### APPLICATIONS

- Area requiring hygienic monolithic floor like pharmaceutical industries, operation theatres & corridors in hospitals and nursing homes, laboratories, bottling plants, dairies, breweries, fermentation floors in tea garden, food processing – fisheries, meat processing and pickles etc.
- Nuclear plants, control panel rooms and computers
- Industries mainly electric and electronic industries, picture tube manufacturing plants, textile mills, portable water and food storage
- Oil rigs
- Automobile workshops



## ADVANTAGES

- Prevents bacterial growth
- Easy to clean
- Provides smooth monolithic surface when used on metallic surface and simultaneously prevents corrosion.

## APPLICATION METHODOLOGY

- PolyPoxy TC 2K HB should be applied only if the moisture content of the floor is below 5% when applied over concrete, the surface must be sound, free from dust, laitance and other contaminants
- For best bond, concrete surface must be textured by shot blasting / scarifying
- Remove oil and greases by washing with liquid detergent followed by acid wash or by burning
- Allow the floor to dry before priming
- Remove old painting using surface grinder
- Well prepared surface should be primed by brush or roller using PolyPrime Epoxy at a rate of 250 gms per sqm.
- Allow the primer to dry for 6 – 8 hrs till touch dry
- Stir the Component A and Component B separately. If setting is observed in the Component A, loosen the settled material with the help of hand stirrer followed by power driven stirrer for quick homogenous mixing. Mix hardener gradually into the base under continuous stirring
- After mixing apply PolyPoxy TC 2K HB by brush or roller to the required thickness on the dried primer
- PolyPoxy TC 2K HB is a high build coating. It is advisable to apply two coats at right angles to each other. This way the second coat will cover any blemishes of the first coat. Allow first coat to become tack free before the second coat is applied. Generally second coat is applied after overnight curing of first coat.



## **LIMITATIONS**

- Do not apply PolyPoxy TC 2K HB on surfaces known to, or likely to, suffer from rising dampness, potential osmosis problems or having relative humidity greater than 75%
- Do not apply PolyPoxy TC 2K HB to asphalt, weak or infirm concrete, unmodified sand / cement / screeds, PVC tiles or sheets or substrates known to move substantially e.g. steel walkways. Do not apply PolyPoxy TC 2K HB at temperature < 10 °C or > 45 °C
- 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.

## **CLEANING AND MAINTENANCE**

- Clean all tools immediately after use with xylene. Do not allow material to harden
- Service life of floor will be considerably extended by good housekeeping. Regular cleaning may be carried out using a rotary scrubbing machine with a warm miscible cleaning agent at temperature up to 50 °C.

## **HEALTH AND SAFETY**

- The product should not come in contact with the skin and eyes, or be swallowed
- Ensure adequate ventilation and avoid inhalation of vapours
- In case of contact with skin, rinse with plenty of water, then clean with soap and water. Do not use solvent to clean the contacted area. In case of contact with eye, rinse immediately with plenty of clean water and seek medical advice.

## **PACKAGING**

Available in 4 kgs units packed in 16 kg cartons.

## **STORAGE**

Must be stored in original packing at ambient temperature, dry place under shed away from heat.

## **SHELF LIFE**

If stored in original unopened sealed under the above conditions, it has a shelf life of 6 months.