



## **PolyPoxy TC 2K LB**

Two Component Solvent Based Low Build Epoxy Floor / Wall Coating

### **DESCRIPTION**

PolyPoxy TC 2K LB is a solvent based epoxy coating for vertical application on walls. The cured surface is hard and gives smooth finish. PolyPoxy TC 2K LB is joint less and hence will not support to bacterial growth. It resists abrasion and can easily be cleaned.

### **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	100 μ
Curing Time at 30 °C		Theoretical Coverage gms / sqm	150 in two coats
Touch Dry	4 - 5 hrs		
Full Cure	7 days		

### **APPLICATIONS**

- Area requiring hygienic monolithic walls 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.
- Walls in nuclear plants, control panel rooms and computers
- Walls in industries mainly aerospace, airport hangers, electric and electronic industries, picture tube manufacturing plants, textile mills, portable water and food storage

### **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 LB should be applied only if the moisture content of the substrate is below 5% when applied over concrete, the surface must be sound, free from dust, lime, laitance and other contaminants
- Any cracks or any other surface defects should be treated with Epoxy Putty
- Surface must be prepared by mechanical abrasion
- For best bond, concrete surface must be slightly textured by shot blasting / scarifying
- Remove oil and greases by washing with liquid detergent followed by acid wash or by burning
- Allow the wall 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 150 gms / m<sup>2</sup>.
- 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 LB by brush or roller to the required thickness on the dried primer
- PolyPoxy TC 2K LB 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 LB 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 LB 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 LB at temperature  $< 10\text{ }^{\circ}\text{C}$  or  $> 45\text{ }^{\circ}\text{C}$
- 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

## **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 3 kgs units packed in 15 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.