

ShaliUrethane[®] WB ETC 2K



2K Water Based Epoxy Coating For Hygienic Wall

STP Limited

Description

ShaliUrethane[®] WB ETC 2K 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.

ShaliUrethane[®] WB ETC 2K comes in a variety of colours with matt finish. **ShaliUrethane[®] WB ETC 2K** 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 <ul style="list-style-type: none">• Foot Traffic• Wheel Traffic	After 24 Hrs After 7 Days	Recoating Time <ul style="list-style-type: none">• Minimum• Maximum	8 24
DFT	100 – 130 microns	Theoretical Coverage, gms/m ² *	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

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 resistance under traffic
- Non flammable / Non Toxic
- Resists mild dew.

Application Methodology

➤ Surface Preparation

- 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.
- Ensure that concrete must be cured at least 28 days and moisture content is below 5%.

➤ Material Preparation

- Mix **ShaliUrethane[®] WB ETC 2K** Component A (Resin) & B (Hardener) separately 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 for both the components. Then add

component B (Hardener) slowly to Component A(Resin) under stirring ensuring complete dispersion.to a homogeneous mass.

- Stop agitation, wait for the product to settle in order to let entrapped air escape.

➤ Application of Material

- Prime concrete surface with ShaliPrime 2E and allow it to dry for 6 – 8 hrs till it is touch dry.
- Apply **ShaliUrethane® WB ETC 2K** by brush / roller on primed surface.

Limitations

- Do not apply **ShaliUrethane® WB ETC 2K** on surfaces known to, or likely to, suffer from rising dampness, potential osmosis problems or having relative humidity greater than 75 %.
- Do not apply **ShaliUrethane® WB ETC 2K** 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.

Health & Safety

- The product should not come in contact with the skin and eyes, or be swallowed.
- Ensure adequate ventilation and avoid inhalation of vapours as some people are sensitive to resins, hardeners and solvents.
- Wear suitable protective clothing, gloves and eye protection.
- In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice.
- If swallowed seek medical attention immediately - **do not** induce vomiting.

Packing

Available in 5 kg unit packed in 10 kg carton.

Storage

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

Shelf Life

12 months in original unopened sealed conditions.



STP's Businesses
Waterproofing & Insulation
Road Surfacing
Pipeline Coating
Protective / Anti-Corrosive Coating
GARA (Grouts & Admixtures)
Sealant & Adhesives
Repairs & Rehabilitation
Epoxy Flooring

