



Hydraguard EP101

Solvent Free Epoxy Coating with Excellent Chemical Resistance

Description

Hydraguard EP101 is a solvent free, two component epoxy novalac resin binder and coating material processing an extremely excellent resistance against the attack of acids and alkaline. The coat is also highly resistant to temperature stresses.

Hydraguard EP101 is recommending applying at 0.35-0.50 kg./m²./layer and should be apply at 2 layers. When use in conjunction with glass fiber reinforcement to bridge cracks.

Object

Hydraguard EP101 is design for severe chemical exposure conditions. Hydraguard EP101 is suitable use as a protective coating on the surface which contact with the corrosive chemical such as chemical storage tank, chemical pipe and floor.

The full cured coating is resistance to :

- Acetic Acid 25%
- Citric Acid 50%
- Diesel Oil
- Gasoline
- Hydrochloric Acid 35%
- Lactic Acid 20%
- Methyl Ethyl Ketone
- Sea Water
- Sodium Hydroxide 50%
- Sulfuric Acid 98%

Advantage

- Excellent chemical resistance
- Low odor formulation
- Good abrasion resistance
- Good adhesion resistance to steel and concrete

Instruction for Use

- The surfaces to be coated should be dry, clean, free from loose materials, other contaminations as well as free from oils and fats.
- The new concrete should be cured minimum 28 days.
- Any crack should be repair with epoxy mortar. (Available form ACT in the name of Hydrapox 112)
- Stir the component A to re-disperse any settlement.
- Mix the resin and hardener components together in the mixing vessel using a forced action mixer or heavy duty slow speed drill fitted with a purpose built paddle until an even color is obtained.
- The application of Hydraguard EP101 must be apply on the primed substrate (Primer also available from ACT in the name of Hydrapox FL-Primer)
- Hydraguard EP101 is supplied in pre-weighed packs ready to use.
- DO NOT add solvents or thinners.
- Apply the first layer by roller or brush at the coverage 0.35-0.50 kg./m²
- Where glass fiber reinforcement is to be used, either overall or where necessary to bridge cracks or joints, after applying the first coat of Hydraguard EP101 and allow to go tacky, place glass fiber and allow to dry.
- Apply the second layer at the same coverage with first layer.

Characteristic

● Mixing Ratio	9 : 1 By Wt.
● Coverage per Layer	0.35-0.50 kg./m ²
● No. of layer	2
● Tensile Strength	8,500 psi
● Shore D Hardness	91

Packaging

Hydraguard EP101: 5, 20 Kgs. /set.

Cleaning

The working equipment, tools etc., can be mechanically cleaned by using brushes in combination with Xylene. The cleaning should be done immediately after the completion of the work and within the pot life of the material to avoid sediments on the equipments ,tools etc

Storage

In unopened packs, Hydraguard EP101 has a shelf life of at least 12 months when stored in warehouse conditions below 35 °C. It should, however not be stored at very low temperatures, to guarantee a good working consistency.

Precaution

Hydraguard EP101 can cause an allergic reaction after prolonged contact with sensitive skin. Therefore avoid contact with skin and use protective equipments. Rubber gloves and protective clothing are recommended. After contact with skin wash immediately with plenty of water and soap. Do not use solvents. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. Ensure good air circulation in the room.

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