



Hydraguard EP102

High Performance Chemical and Temperature Resistance Coating

Description

Hydraguard EP102 is a new generation of vinyl ester resins that offer higher reactivity, easier workability, shorter gel-to-cure internal, reduced stress cracking, lighter color and longer shelf life.

Hydraguard EP102 is specially designed to provide exceptional mechanical properties at higher temperature resistance. This resin offers a high resistance to solvent and chemical, good retention of strength and toughness at elevated temperature, and excellent resistance to acidic oxidizing environment.

Object

Suitable for such application as high temperature chlorination or caustic scrubbing and storage, industrial waste treatment facilities and solvent/extraction processes used in mining.

Used for hydrochloric acid transport tank, truck and railcar lining, and gasohol storage.

Fabrication Technique

Recommend for most commercial FRP fabrication processes: hand lay-up, spray-up and resin transfer molding.

Higher viscosity also facilitates filament winding and contact molding fabrication.

Advantage

- An economical alternative to exotic alloys by allowing to use of lower-cost FRP over traditional material.
- Resists solvents, chemicals, and acidic oxidizing environments to provide long lasting, reliable equipment for corrosive material.
- Retains strength and toughness at elevated temperatures which enables users to operate the equipment in a variety of application.
- Provides better workability and handling, resulting in lower fabrication costs.

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 repaired with epoxy mortar. (Available from 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.
- Hydraguard EP102 is recommended to apply by airless spray or roller.

Characteristic

● Thickness	0.3-0.5 mm./Layer
● No. of Layer	2
● Viscosity	800 cps @25°C
● Shore D Hardness	91

Packaging

Hydraguard EP102: 4 Kgs. /set.

Cleaning

The working equipment, tools etc., can be mechanically cleaned by using brushes in combination with Acetone. 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 EP102 has a shelf life of at least 6 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 EP102 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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