



Hydrapox 195

Epoxy Resin For Under-Water Application

Description

Hydrapox 195 is a solvent-free, 3-component epoxy system consisting of 2-component epoxy resin and a special blend of fillers.

Object

- Used as an epoxy putty for application to steel and concrete structures to protect in the splash, tidal-zone and under-water areas of marine structures.

Advantage

- Very good adhesion to wet structures-forms a very strong and lasting bond to damp, wet and under-water surfaces.
- May be used as tile-protection coating forming a joint-free surfaces that resists corrosion and impact.
- For use as protective coating to concrete piles and columns in salt and brackish waters to protect against corrosion.

Instruction for Use

- All surfaces must be thoroughly cleaned and all deteriorated materials, such as barnacles and other marine growth as also any previous coatings removed carefully. Preferably sand-blasting should be used for such cleaning purposes. If sand-blasting cannot be done, remove large marine growth including barnacles by scraping, brushing, etc

- Hydrapox 195 has a dough-like consistency and is thus fairly stiff, requiring mechanical mixing using a conventional mixer. First Part A+B are mixed together using the full contents of each container. When a uniform color has been received from this mix, add Part C and mix again until color is uniform.
- The mixed material is best applied by hand using tight-fitting rubber gloves. Such gloves shall be completely wet before work begins. A handful of Hydrapox 195 is used, pressed on to the surface where it is to be applied and gently kneaded into place. The material should not be rubbed in as it may then become stringy. When it is found that the material is sticking on to the surface, it may be moved out from the center to form a layer of some 3-6 mm thickness. Work is then completed by adding more handfuls of the material and kneading it in with care taken that air-bubbles are not formed and that water is forced away from the substrate. When the entire surface to be coated has been applied, the epoxy may be smoothed out by carefully rubbing it with the flat of the hand
Mixing and application implements must be cleaned immediately after use with Xylene. Cured material can only be removed mechanically or by burning off.

Characteristics

Compressive strength :	650 ksc
Tensile strength :	30 ksc
Flexural strength :	350 ksc
Adhesive strength :	> 35 ksc
Pot life :	30 min.
Tack free :	1 Hr.
Final cure :	7 Days
Density :	1.6 kg./L.

Precautions

Use gloves. Ensure epoxy does not come in contact with skin. In closed rooms, use breathing masks.

Harmful if swallowed. If epoxy comes in contact with eyes, rush to hospital. Clean all equipment used immediately after completion work using either Xylene or Toluene

Act (Thailand) Co., Ltd.

Address : 19 Moo 1 Kubangluang

Lardlumkaew Pathumthai 12140

Tel. : (66)-0-2979-4446-9 , (66)-0-29794936-9

Fax. : (66)-0-2979-4445

Email : info@actthai.com

Web Site : <http://www.actthai.com>

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