



Hydrapox CF

Epoxy Bonding for Carbon Fiber Sheet Reinforcement

Description

Hydrapox CF is a solvent free, 2-component epoxy resin.

Object

Hydrapox CF is design for bond a carbon fiber sheet to existing hardened concrete surfaces, providing an excellent bond for new concrete or mortars.

Advantage

- Normal to long pot life
- Very high mechanical strength
- Free from shrinkage
- Very high mechanical strength
- Unaffected by moisture
- Excellent wetting property on carbon fiber sheet
- Vary good chemical resistance

Characteristics

Compressive strength :	800 ksc
Tensile strength :	200 ksc
Bonding strength	
To Concrete :	30 ksc
To Steel :	220 ksc
Pot life :	30-45 min.
Tack free :	120 min.
Density :	1.1 kg./L.
Mixing Ratio :	2 :1 By Wt.

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Instruction for Use

- The surfaces to be coated should be dry, clean, and free from loose materials, other contaminations as well as free from oils and fats.
- The application of Hydrapox CF must be apply on the primed substrate (Primer also available from ACT in the name of Hydrapox CF-Primer)
- Hydrapox CF is supplied in pre-weighed packs ready to use on site. 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.
- Apply by brush or roller at the coverage about 4-5 m²/kg.
- Install the carbon fiber sheet before 1 hr. after mix.
- Recoat at the same coverage

Packing

5 kg./Set

Storage

In unopened packs, Hydrapox CF has a shelf life of at least 12 months when stored in warehouse conditions below 35 °C.

Non-warranty. The information contained herein is believed to be reliable to the best of our knowledge. However, all recommendations are made without guarantee of performance and with warranty of freedom from legal responsibility including patent liability on the part of Act (Thailand) Co., Ltd