



Hydrapox 117

Epoxy Bonding

Description

Hydrapox 117 is a slow-setting 2-component epoxy resin coating and for bonding new concrete or mortars to existing hardened concrete surfaces or steel surfaces, providing an excellent bond for new concrete or mortars.

Object

For bonding :

- New-to-old concrete
- New mortar to old concrete
- New concrete/mortars to steel, wood, stone

Advantage

- Normal to long pot life
- May be applied on wet or damp structures
- Free from shrinkage
- Very high mechanical strength

As a bonding agent Hydrapox 117 will form a completely sealing waterproofing membrane both for capillary water rising from below up through concrete and for water seeping in from above. It further seals and protects underlying layers from oil penetration as also ingress of any other chemicals and thus protecting structural concrete in concrete floors from damages of alien chemicals entering from floor-surface.

- Unaffected by moisture
- Can pour or patching the new concrete or mortar immediately after apply

Standard

Meets ASTM C882 – Type II, Grade 1 Class C

Instruction for Use

- Clean base-concrete properly, ensure it is free from oil, paint, laitance and loose materials as also from free-standing water.
- Apply directly to concrete using a brush or a roller.
- If old concrete surface is damp, use a brush for ensuring the epoxy is well in contact with base material
- New concrete/mortar applied on top should not be too wet and have a slump generally not in excess of 8 cm.
- Ensure that new concrete/mortar is applied while epoxy is still tacky and within the pot-life period.
- If used in open areas and in strong sunshine, the epoxy may dry out faster and in a shorter time than the normal 1.5 to 2 hours.
- Always use the full amount of material when mixed together.
- Do not dilute with any solvents.
- Mixing and application implements must be cleaned immediately after use with THINNER and at intervals during application.
- Cured material can only be removed mechanically or by burn it off.

Packing

Part A : 4 kgs.
Part B : 2 kgs.

Characteristics

Compressive strength :	800 ksc
Tensile strength :	200 ksc
Bonding strength	
To Concrete :	> 35 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.

Storage

In unopened packs, Hydrapox 117 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.

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.

Precaution

Hydrapox 117 can cause an allergic reaction after prolonged contact with sensitive skin. Therefore avoid contact with skin and use protective ointment. 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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