



Hydrapox 118

Slow-Setting, 2-component, Epoxy Resin for Grouting and Patching

Description

A 2-component, solvent free epoxy with an exceptionally long 'open' life (1.5-3 hours depending on ambient temperatures). May be added in the desired quantities for the stiffness required.

Object

- For repairs to concrete structures, vertical and horizontal where high strength is required, such as damaged edges, holes, pile caps, runways and aprons at air-ports, factory floors, bridge-decks and tunnels, etc.
- As a grouting material for fixing and fastening of anchor-bolts, support plates, machine foundations, bridge-supports, etc.

Advantage

- The very long pot-life and 'open' time before setting of Hydrapox 118 allows for greater flexibility in construction. This makes it suitable for use with formwork as also where additional steel reinforcement has to be fitted.
- May be applied on wet or damp structures
- Very high mechanical strength
- As a bonding agent Hydrapox 118 Economical, as it may be mixed with sand fillers in proportions from 3 parts sand and up to 10 times in relation to epoxy amounts (A+B) depending on objects and circumstances at site

- As a bonding agent Hydrapox 118 will form a completely sealing water-proofing 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
- Highly economical for use when many small and time-consuming patches need to be done over big areas and when temp. are high.

Instruction for Use

- Ensure that repair areas are clean and free from oil, laitance and any loose particles.
- Mix together completely components A+B as supplied from containers, using a slow-rotating electric drill (600 rpm) with suitable paddle attached for about 4-5 minutes. Then add in sand slowly approximately 3 to 4 kg of sand per kg of epoxy (A+B) while continuing to mix with drilling machine
- Apply mix with masonry hand-tools
- Substantially much higher amounts of sand may be used (up to 6-7 kg filler per kg of epoxy). Such mixes will be very stiff and with some reduction in compressive strengths and other such characteristics.

- Always use the full amount of materials (Part A+B) 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 burning off.

Characteristics

| | |
|------------------------|-------------|
| Compressive strength : | 820 ksc |
| Tensile strength : | 250 ksc |
| Bonding strength | |
| To Concrete : | > 35 ksc |
| To Steel : | 200 ksc |
| Pot life : | 60 min. |
| Tack free : | 3 Hr. |
| Density : | 1.02 kg./L. |
| Mixing Ratio : | 1 :1 By Wt. |

Storage

In unopened packs, Hydrapox 118 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.

Packing

10 kg./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.

Precaution

Hydrapox 118 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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