



Hydrapox 124

3 Component Epoxy Grout

Description

Hydrapox 124 is a solvent-free, 3-component pour able epoxy resin supplied complete with fillers added. For use as a repair and filling mortar. When mixed, it forms a flow able mortar suitable for grouting and filling fast setting time.

Object

Hydrapox 124 is a high-strength material with no shrinkage, suitable for grouting of:

- Bridge bearing plates and bearing pads on expressway constructions
- Machine-foundations
- Anchors and fixing of bolts
- Crane rails and crane tracks
- For fixing of and repairing steel reinforcements in concrete
- For filling cavities in concrete

Advantage

- Convenient and economic packing for immediate use. Fast-setting and with very high compressive, flexural and adhesive strengths.
- Solvent-free
- Free from shrinkage
- High mechanical strength
- Curing not affected by high humidity levels
- For use on both dry and damp surfaces
- Normal-setting and hardening time
- Very good flow-characteristics also in thin layers
- Withstands very high levels of vibration for long time

- As a bonding agent Hydrapox 124 forms 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 temperatures are high.

Instruction for Use

- Ensure that all concrete surfaces are clean and free from dust, laitance, oil and grease, as also from standing water.
- Mix together components A+B with a slow-rotating (less than 600 rpm) electric dill for about 1-2 minutes. Then add Component C and continue mixing until a homogenous and free flowing mortar is achieved. Do not change mixing ratios and use only complete and full packs in total.
- For use under bearing plates, ensure continuous flow of material. For bigger bearing plates it may be necessary to apply material under pressure. Ensure that air can escape from confined areas.

- Up to 50 mm per layer. For bigger grouting heights, apply in several layers. Consult ACT Technical Services if in doubt.
- Mixing and application implements must be cleaned immediately after use with Xylene and at intervals during application. Cured material can only be removed mechanically or by burning off.

Characteristics

Compressive strength :	1000 ksc
Tensile strength :	250 ksc
Bonding strength	
To Concrete :	> 35 ksc
To Steel :	200 ksc
Pot life :	45 min.
Tack free :	2 Hr.
Density :	2.0 kg./L.

Mixing Ratio

A : 2.1 Kgs., B : 0.4 Kgs., C : 7.5 Kgs.

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 124 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

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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