



Hydrapox 123

Epoxy Mortars For Vertical and Over-Head Substrate

Description

Hydrapox 123 is a solvent-free, 3-component epoxy resin binder supplied complete with fillers added. For use as a repair and filling mortar. When mixed, it forms a trowel able mortar with good adhesion to cementitious surfaces normal setting-time.

Object

Hydrapox 123 is a high-strength material suitable for use as bedding or under filling mortar or to repairs on horizontal, vertical or over-head surfaces such as

- Industrial floor, wall and ceiling
- Bridges and bridge-decks
- Concrete runways and aprons
- Joint repairs on highways and expressways

Advantage

- Convenient and economic packing for immediate use. Normal-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
- Very high abrasion and impact resistance thus suitable for objects exposed to heavy-duty object traffic and usage.
- Suitable for both dry and damp surfaces

Instruction for Use

- Ensure that all concrete surfaces are clean and free from dust, laitance, oil and grease, as also from standing water. For very good bonding and particularly when repairing concrete floors, ensure that sub-base is either sand-blasted or shotblasted.
- Use a mixture of components A+B to prime the substrate. Apply with stiff brush and work in well. Take out a maximum of 10% of components A+B for use as primer.
- Mix together components A+B with a slow-rotating (less than 600 rpm) electric drill for about 1-2 minutes. Then add Component C and continue mixing until a homogenous mortar is achieved. Do not change mixing ratios and use only complete and full packs in total
- Apply Hydrapox 123 while the primer is still tacky and trowel firmly into place. Do not prime too big areas but keep primed areas in relation to capacity of workers for working in Hydrapox 123.
- Thickness of layers: Up to 50 mm for repair spots; 15 mm for larger areas.
- 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 :	1,000 ksc
Tensile strength :	200 ksc
Flexural strength :	400 ksc
Bonding strength	
To Concrete :	> 35 ksc
To Steel :	200 ksc
Pot life :	30 min.
Setting Time :	1.30 min.
Density :	2.0 kg./L.

Cleaning

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.

Mixing Ratio

A : B : C = 2 : 1 : 9 By Wt.

Packing

20.4 kg./Set

Storage

In unopened packs, Hydrapox 123 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.

Precaution

Hydrapox 123 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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