KRISHNA™
COLOURS & CONSTCHEM PVT. LTD.
Complete Construction solutions
T +91 020 27673114/5 F +91 020 27670521 E info@krishnacolours.com W www.krishnacolours.com

FLOWGROUT EPX

THREE PART HIGH PERFORMANCE, FREE FLOWING EPOXY GROUT

DESCRIPTION

FLOWGROUT EPX is an epoxy resin based grout with high flow properties capable of placing in gaps between 35mm to 75mm. The epoxy resin formulation enables FLOWGROUT EPX Epoxy Grout to be used in the most demanding situations giving exceptional mechanical strength. The volume stable mix design ensures complete fill of the grouted area and contact with the work piece. The formulation gives good chemical resistance to most chemicals. Stable to sea water, petroleum products, resists freeze thaw cycles.

USES

It is to be used machinery base plates, crane rail tracks, Bridge bearings, compressor, pumps and turbines.It can be used reciprocating machinery
It should be used where minimum shut down time for production machinery is of primary consideration.

ADVANTAGES

- The formulation gives good chemical resistance to most chemicals. Stable to sea water, petroleum products, resists freeze thaw cycles.
- Improves low temperature strength development.
- Excellent adhesion properly.
- Very high and ultimate strength.
- Minimum production shut down.
- Self curing, no need for damp curing or membrane curing compound.
- Resistance to vibration and impact, particularly applicable where cycle of compression/tension make cementitious grout unsuitable.
- Flowable and self leveling for easy placement.
- Excellent volume stability maximum bond and load transfer.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION :

Remove laitance and all loose material including dust, oil and grease to achieve a sound substrate. Steel surfaces should be free of mill scale and rust. Surfaces to be grouted should be free of standing water and in surface dry condition. Formwork must be designed with sufficient hydrostatic head to ensure grout flow into and across the grouting area

and should be made grout tight. Apply a silicone based release agent to the formwork surfaces which will effect release after grout has hardened. Alternatively use thick polythene sheet firmly fixed to the formwork

Mixing

FLOWGROUT EPX has 3 containers per pack**.** All containers must be used to complete the mix. Pour all of the resin and hardener into a clean mixing vessel. Mix with a slow speed drill and Grout Stirrer until homogeneous. Slowly add the filler to the mixed resin and hardener. When all the filler has been added, mix for a further two minutes until an even colour is achieved. Larger volume may be mixed using a forced action mixer such as the Crete angle.

Placing

Place grout continuously into the work area from one side only. Where further mixes are required to fill the void, these should be prepared in sequence such that pouring is continuous. Place mixed grout within 20 minutes after start of mixing. Place in gap widths between 35mm and 75mm. Do not disturb the grouted section until the grout has hardened. Tools and mixing equipment should be cleaned with Solvent before grout has hardened. Set grout can only be removed mechanically. FLOWGROUT EPX may be placed at temperatures between 5°C and 45°C. For placing outside this range contact the Technical Service Department.

Curing**:** No special curing is required.

PROPERTIES

1. Flow on flow Table : 16 to 18 cms.
2. COLOUR : Brown
3. DENSITY : 1800 kg/m^3
4. FLEXURAL STRENGTH : 400 kg/m^2 at 7 days
5. Compressive strength & Tensile strength

FLOWGROUT EPX	1 DAY kg/cm^2	7 DAYS kg/cm^2
Compressive Strength @ 30 ^{0}C	790	950
Tensile Strength @ 30 ^{0}C	140	150

PACKING

5 ltrs. Pack

SHELF LIFE

12 months storage life when stored in original unopened container at between 5 ºC to 45 ºC in a dry and shaded place.

HEALTH & SAFETY

FLOWGROUT EPX is non-hazardous. It should not be swallowed or allowed to come into contact with skin or eyes. Suitable protective goggles and gloves should be worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed, seek medical attention immediately, do not induce vomiting.

NOTE :

All information is given in good faith on the results gained from experience and tests. However, all recommendations or suggestions are made without guarantee since we don't have any control on site conditions and its uses.