

K5 INJGROUT

Two Part Low Viscosity Epoxy Resin Injection Grout



Description :

K5INJGROUT consists of a base component containing solvent free epoxide resin plus a low viscosity liquid hardener. K5INJGROUT Grout may be placed by free flow under gravity or may be injected using a suitable hand or mechanical pump. Grouting of gap dimensions 1 mm to 10mm may be easily achieved. The system gives rapid strength gain obtaining mechanical properties several times those of high quality concrete.

Uses :

Used for crack injection and for filling cold joints. Filling of base plate and bolt pockets, Structures, where mechanical properties and chemical resistance is required. For heavy duty support beneath and transporter rails, drop forges, mobile loads. For heavy reciprocating machines, repairs, rehabilitation of structures showing hair line cracks eg columns, beams, gutters, and bridges etc.



Advantages :

- Effective penetration into narrow gaps.
- Excellent bond strength. non-shrink for easy injection grouting for cracks and cold joints
- Highly resistant to chemicals and rapid installation.
- Comprehensive tensile & flexural strengths
- The product is non shrink enabling complete fill of the grouting area.
- The hardened grout is resistant to most chemicals, stable to sea water, petroleum products and resists freeze thaw cycles



Application Instructions

SURFACE PREPARATION

Ensure that grouting surfaces are free from dust and oily contamination. Small gaps may be blown out using clean dry compressed air. Steel should be free of rust and flaking mill scale. All work surfaces must be essentially dry.

MIXING

Pour all of the hardener from the container into the base container which has sufficient volume to act as the mixing vessel. Thoroughly mix the two components until a homogenous thixotropic product is achieved.

PLACING

Apply K5INJGROUT by gravity feed or by gunning or pumping into the cracks. Injection flanges may be attached along the crack length at nominal 150mm intervals, using K5INJGROUT. K5INJGROUT is also suitable for facing off vertical cracks.

CURING

No special curing practice is required.

Properties

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| 1. SPECIFIC GRAVITY | : 1.08 + 0.02 @ 30 °C |
| 2. POT LIFE | : 40 minutes @ 30 °C |
| 3. COMPRESSIVE STRENGTH | : 75 N/mm ² at 7 days |
| 4. ADHESION TO CONCRETE | : 4.5 N/mm ² (failure in concrete) |
| 5. TENSILE STRENGTH | : 10 N/mm ² |

Packing

1 kg & 5 kg Pack.

Shelf Life

12 months storage life when stored in original unopened container at between 5 °C to 45 °C 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.