

CAT. No. GRT-06-2211

ISOPOX GROUT LE-M

Low Exotherm Epoxy Grout

ISOPOX GROUT LE-M is a formulation of high mechanical strength epoxy resins, hardener and quartz silica filler. It is a 100% solids system, solvent-free and characterized with zero shrinkage and superior adhesion to various substrate. **ISOPOX GROUT LE-M** is specially formulated for free-flow grouting with low exotherm properties. It has excellent resilience properties enabling it to withstand impact and vibration under all types of heavy duty machineries.

USES

ISOPOX GROUT LE-M is used for super heavy-duty grouting of equipment such as those requiring exceptional stability against dynamic load and intense impact and vibration. It is also suitable for encapsulating pile caps to prevent water ingress.

- Compressors, pumps, pulverizers, press.
- Crane & transport rails, turbines, rolling mills, hoist.
- Welding joints/shear keys in precast, pre-stressed box girders for bridges, etc.

ADVANTAGES

- Excellent bearing and bond to foundation and base plate.
- Pour-backs for post-tensioned projects.
- Non-Shrink and low creep properties.
- Rapid strength gain.
- Chemical and abrasion resistant.
- High mechanical properties.
- Designed to withstand dynamic load and intense impact and vibration.
- Low exotherm properties.

APPLICATIONS

- Base plate grouting - gaps between 20mm to 150 mm single pour.
- Anchor bolt grouting with hole diameter of 20-75mm - upto 3 meters deep single pour.
- Square pocket grouting, 50mm x 50mm to 100mm x 100mm - upto 2 meters deep single pour.
- Pile cap encapsulation from 25 - 50mm thick.

TYPICAL PROPERTIES

- Compressive Strength, N/sq.mm.
(ASTM C579) -

1 Day	> 80.0
3 Day	> 90.0
7 Day	> 100.0
- Flexural Strength, N/sq.mm.
(ASTM C 580)

1 Day	> 25.0
3 Day	> 30.0
- Linear Shrinkage, %
(ASTM C 531) <0.02
- Bearing area, %
(ASTM C 1339) >95.0
- Full Cure 7 days
- Working Time @ 25/35/45 Celsius 90/60/30

DIRECTIONS FOR USE

Surface to be grouted should be clean, dry, and free from dust, grease, oil, dirt and other contaminants, forms should be strong, braced, properly secured and water-tight to prevent leakage. To facilitate stripping, forms should be coated with heavy mineral grease.

MIXING

ISOPOX GROUT LE-M should be mixed in a forced action mortar mixer .operating at 18 - 25 rpm or with an electric drill fitted with a paddle (200 rpm). The part B is mixed with the part A and stirred manually for 2 minutes. Transfer the mixed liquid in the mixer pan or a suitable container. Add the part C into the liquid and mix for 3 - 5 minutes. Place immediately.

PLACING BASE PLATE

Allow minimum clearance of 70mm width on the placing side and a minimum grout head of 150mm. It is recommended to slope the form on the placing side to assist in grout movement and freeing entrapped air. Place grout from one side only (side where grout will travel least) and use a rod or strapping to assist in placement and freeing trapped air. The use of a hopper is recommended to provide constant grout head assuring a continuous, uninterrupted flow. Final grout level should be brought up at least 2mm above the underside of the base plate. Do not use vibrator, Allow to cure.

ANCHOR BOLT HOLES/ SQUARE POCKETS

For anchor bolt grouting, minimum annular space between bolt and concrete should be 6mm.

ISOPOX GROUT LE-M is directly poured into the hole or pocket and preferably rodded to aid in placement and freeing entrapped air. Final grout level should be brought up at least 2 mm. above surrounding substrate.

PACKING/ COVERAGE

ISOPOX GROUT LE-M is packed in 14 liter-kit, parts A, B and C.

CLEANING

The grout can be removed/cleaned-off from equipment, tools while still wet with ISOKLEEN.

SHELF LIFE

Twelve months from date of manufacture, stored in original container in warehouse conditions.

HEALTH/ SAFETY

Epoxy resin and hardener are mild skin irritants. Users are advised to wear rubber hand gloves, eye goggles and coveralls, If accidentally spilled on the skin, wash immediately with water and soap. If spilled in the eyes, wash with plenty of water and seek medical attention. Refer to MSDS for more information.

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Technical information, data are to be considered as typical values and not sales specification. Actual measured values may vary due to factors beyond our control. Indications concerning function and application of the products are empirical. Although the information is believed to be accurate, there is no warranty by ISOLA. None of the recommendations becomes part of the warranted quality of the products. Due to the fact that the conditions of individual use are beyond ISOLA's direct and continuous control, ISOLA disclaims all responsibility in connection with the use of its products and does not warrant against any loss direct or consequential

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