



PRIMEGROUT® EP150

High Early Strength Non-Shrink Epoxy Grout

PRODUCT DESCRIPTION:

PRIMEGROUT® EP150, High Performance expansive non-shrink epoxy grout for supporting equipment requiring precision alignment. This high performance grout, even when placed at a flowable consistency, provides rapid strength development, complete shrinkage correction, and excellent bond to various substrates. **PRIMEGROUT® EP150** is a three component, 100% solid, solvent-free system formulated to exhibit high early strength combined with highest creep resistance at elevated temperature. **PRIMEGROUT® EP150** is resistant to many industrial chemicals.

ADVANTAGES:

- ✓ Ready-to-use; permanent support for machinery requiring expansion, non-shrink and precision alignment,
- ✓ Three-component system only need on site mixing of A, B and C components.
- ✓ High early and ultimate strength.
- ✓ Adhesion to Steel.
- ✓ Good bond with parent concrete/steel.
- ✓ Chemical resistance.
- ✓ Impermeable

USES:

High performance machinery grouting, support of chemical tanks, vessels, precision alignment under dynamic load conditions, aggressive chemical environments, anchor bolts and dowels, column bearings, bridge bearing seats, prestress deck beam keyway grout, shrinkage. **PRIMEGROUT® EP150** is highly recommended for use in marine environment for mortar or concrete, for encapsulation of wood, concrete or steel piles.

TECHNICAL DETAILS:

Parameters	Results
Base	High Molecular Low Viscosity Polymer Grout
Toxicity	Non-toxic after curing
Compressive Strength, (ASTM C579), N/mm ²	1D=>80, 3D=>95, 7D=>100, 28D=>105
Tensile Strength (ASTM C881), N/mm ²	14
Flexural Strength (ASTM C348), N/mm ²	34
Pot Life	60 minutes after mixing at 25 °C
Shelf Life	12 month in original packing
Coverage	~2 kg/m ² /mm thickness
Packing	25 kg (composite pack)
Cleaning	Multikleen EP-100 Thinner
Application Temperature	10-40 °C



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APPLICATION METHOD:

Surface Preparation: Remove all dust, debris by flushing suitable means, keeping the surface dry.

Mixing: For optimum performance, all components should be to around 25°C. Pour all component B (Hardener) into pail containing Component A (Base). Mix thoroughly by hand with Puddle of slow speed mixer paddle or slow speed mixer to avoid air entrapment. Pour mixed liquids into mortar mixer. While mixing, slowly add Component C (aggregate) and mix only until aggregate is completely wet. Add Component C (aggregate) immediately after mixing Component A (resin) and Component B (hardener). Working time is approximately 60 minutes when temperatures are at 25°C.

METHODS OF PLACEMENT: PRIMEGROUT® EP150 may be poured into place. All grouting shall be placed from one side to the other, maintaining contact with the bottom of the baseplate at all times. For clearances greater than six inches (150 mm) or more than 20 cubic feet (566 liters), call the Multichem Technical Center at (91) 09323890195.

POST-PLACEMENT PROCEDURES: Final finishing of exposed surfaces is aided by using a solvent wiped trowel just before material becomes unworkable. In-service operation may begin immediately after minimum required grout strength and modulus have been achieved.

CLEAN UP: All tools and equipment may be cleaned with a water and strong detergent solution before material hardens. A suitable solvent is required for clean-up of material after hardening. Sand may be used as an abrasive.

NOTE: PRIOR TO APPLICATION, READ ALL PRODUCT PACKAGING THOROUGHLY. For more detailed placement procedures, refer to Design-A-Spec or call the Multichem.

LIMITATIONS

- Flowability and strength gain are adversely affected by lower temperatures.
- For placement temperatures between 10°C and 25°C or above 32°C, refer to Design-A-Spec.
- To obtain bond, concrete shall be visibly free of surface moisture.
- When clearances are outside the recommended range or when exceeding maximum placement volumes, contact the Multichem's Technical Center.
- Do not add solvents to increase flowability.
- For continuous operating temperatures exceeding 82°C, contact the Multichem Technical Center.
- Construction practices dictate concrete foundation should achieve its design strength before grouting.



DATASHEET

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PRIMEGROUT® EP150 is a three component system consisting of partially filled containers of resin, hardener and polyethylene lined bags of aggregate. Available in units yielding 2.0 cubic feet (56.6 liters) of hardened grout when using five bags of aggregate (Standard). When maximum flow is required, up to one bag of aggregate can be withheld to enhance flow (High Flow) which reduces yield to 1.75 cubic feet (49.6 liters).

Safety: **PRIMEGROUT® EP150** is toxic and inflammable. Wear gloves and goggles for prolonged contact with the material and wash with water.

Notes: Performance of the products depends on strict adherence to "Multichem Guidelines". Company is not responsible for any deviation from such guidelines, which may lead to products failure.

The yield /coverage/technical property given above is for guidance only. The actual results at site should be ascertained by field trial.

WARRANTY

Multichem warrants **PRIMEGROUT® EP150** Special to be free from manufacturing defects as defined in this warranty. Manufacturing defects are considered to be those defects that occur due to the quality of the ingredients or from the manufacturing process itself. This warranty does not include labor costs and other costs or expenses associated with the removal or installation of **PRIMEGROUT® EP150**.

Because the Multichem does not perform the actual installation, it cannot be held responsible for the results of the application. Multichem specifically disclaims problems that occur due to weather conditions, structural movement, structural design flaws and application techniques.

This warranty is in lieu of all other warranties expressed or implied including the warranty of merchantability and fitness of purpose and of all other obligations or liabilities on Multichem part. Multichem neither assumes nor authorizes any person to assume for Multichem any liability in connection with the sale and installation of **PRIMEGROUT® EP150**.

Because of constant improvement of manufacturing techniques and formulations, Company reserves rights to change this datasheet and its contents without prior notice.



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