

EP3 GROUT



PRODUCT CODE: 3201 - 2.5 litre pack : 3205 - 8 litre pack

DESCRIPTION: **EP3** Structural Grout is a 3-component high strength epoxy resin system formulated for use in the installation of high strength anchors, support of base plates or any civil or mechanical engineering situations involving high dynamic loads.

SPECIFIC USES: Civil Engineering and Structural Grout.

PACKAGING: Both pack sizes are supplied in non-returnable lidded plastic containers which act as mixing vessels, as well as containing separately packaged curing agent, base resin and filler.

PREPARATION OF SUBSTRATE: Concrete surfaces should be clean and free from laitance. Where **EP3 GROUT** is used for the installation of anchors, the holes should be ideally prepared by the use of rotary percussion air flushing methods. All steel and machine beds should be free from grease and loose rust. In most cases **EP3 GROUT** does not require the use of a primer.

MIXING: The contents of the curing agent container should be added to the contents of the base resin container and mixed thoroughly. The total contents of the filler bag are added to the liquid and mixed. Mechanical mixing is recommended for the 2.5 litre pack and mandatory for the 8 litre pack. Contact our Technical Department for information on suitable mixing drills to be used with Rotafix 100mm and 200mm mixing paddles.

APPLICATION AND EQUIPMENT: Anchors: All holes are to be clean and free from dust. Pour sufficient **EP3 GROUT** into the hole, push the anchor through the **EP3** ensuring that there is a slight excess of **EP3 GROUT** at the upper perimeter of the hole. Allow to cure before tensioning bolts. Pot life 30 - 60 minutes dependent upon ambient temperature.

Bed Plate Grouting and Bridge Deck Bearings: Mixed **EP3 GROUT** should be poured from one side only into suitably prepared shuttering. **EP3 GROUT** may be used at thicknesses between 5mm and 150mm.

CURE SCHEDULE: **EP3 GROUT** remains mobile for approximately 60 minutes at 18°C at 25mm thick.
Initial gel - 4 hours at +18°C and 25mm thick.
Full cure - approximately 80 hours at +18°C.

MATERIAL USAGE/ COVERAGE: The volumes are as stated on the packs. As a guide a 2.5 litre pack of **EP3 GROUT** will fill a void 50mm deep x 250mm long x 200mm wide.

CURED PROPERTIES: Compressive Strength: >75 N/mm² Specific Gravity: 1.65
Tensile Strength: 18 N/mm²) Provisional
Flexural Strength: 36 N/mm²)

CLEANING OF TOOLS: Uncured **EP3 GROUT** may be readily removed from tools and equipment with Rotafix **S200PC** Solvent Cleaner. Mechanical methods are required to remove cured material.

The site conditions and equipment required when using individual Rotafix products are specific for each project. Only advice given by Rotafix in writing will be considered as part of our contractual liability.

Epoxy resins and their associated curing agents can cause irritation to some people.
Please take the necessary precautions indicated in the COSHH details available from our offices.
Please read our Users Safety Guide on the Handling of Resin and Polymer products.

The information in this document is based on practical tests, but given without guarantee inasmuch as methods of use by others is beyond our control. Due to continuing development and improvements, it may be necessary to change without notice the material specification. All goods are sold subject to our Standard Conditions of Sale.

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