

## **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

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 OF SUBSTRATE:

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

Anchors: All holes are to be clean and free from dust. Pour sufficient EP3 AND EQUIPMENT: 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 EP3 GROUT remains mobile for approximately 60 minutes at 18°C at 25mm

SCHEDULE: thick.

Initial gel - 4 hours at +18°C and 25mm thick.

Full cure - approximately 80 hours at +18°C.

MATERIAL The volumes are as stated on the packs. As a guide a 2.5 litre pack of EP3

USAGE/ **GROUT** will fill a void 50mm deep x 250mm long x 200mm wide.

**COVERAGE:** 

Compressive Strength: >75 N/mm<sup>2</sup> Specific Gravity: CURED 1.65

Tensile Strength: 18 N/mm²) Provisional PROPERTIES:

Flexural Strength: 36 N/mm<sup>2</sup>)

Uncured EP3 GROUT may be readily removed from tools and equipment with CLEANING OF

Rotafix S200PC Solvent Cleaner. Mechanical methods are required to remove TOOLS:

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 insomuch 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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