

CEMBOND GROUT®

- PRODUCT CODE:** 3160 – 3 litre 3161 – 6 litre
- DESCRIPTION:** **Cembond Grout** is a high performance, non-shrink, non-gassing, thixotropic, cement based grout, suitable for injection with a hand or power applicator.
Cembond Grout has a low liquid to powder ratio providing a thixotropic grout which completely fills all voids into which it is injected and which develops its compressive strength rapidly. **Cembond Grout** is suitable for bonding metal components into most common masonry-type substrates including concrete, brick, stone, blocks etc.
- PACKAGING:** **Cembond Grout** is supplied in 3 and 6 litre pack sizes. Packed in a 16 litre pail containing the dry powder and liquid individually packed to make 3 or 6 litres of injectable mixture.
Cembond Grout should be stored in dry conditions and in a temperature range of +5°C to + 35°C max. Pails may be stacked but not more than 4 high.
- PREPARATION:** It is important to make the correct size of hole to ensure a good bond. For 6mm Spiro/Rotaflex Rod CRP or FRP a 10mm slot or hole is required and for 8mm Spiro/Rotaflex Rod CRP or FRP 12mm slot or hole is required. For other parts a minimum clearance of 2mm all round should be allowed, with a greater clearance being required with more absorbent materials. If there is any doubt, then site tests should be carried out to determine pull-out loads.
After slotting or drilling, the hole should be flushed out with clean water to obtain maximum bond strength.
- MIXING:** ONLY THE FULL PACKAGE SHOULD BE MIXED
Mix the Cembond Grout by adding half of the powder to all of the liquid in the bucket provided. Mix until blended. Add the remaining powder and mix thoroughly, using a powered mixing paddle, for a minimum of 2 minutes.
Pour the mixture into the cartridge of the injection tool and inject tool and inject into the hole or slot in a continuous operation.
- APPLICATION:** Form the hole or slot into which the **Cembond Grout**, rebar or anchor is to be bonded, ensuring the appropriate clearance is allowed, together with an adequate depth for good fixing.
- COVERAGE:** 12mm hole x 1 metre long, using an 8mm bar/rod, requires 60cc of grout to fully encapsulate the rod.
- CURE SCHEDULE:** Typical working life of the mixture is up to 20 minutes but this can be extended with re-agitation. Ideally, exposed areas of **Cembond grout** should be properly cured for at least three days under damp conditions to gain full advantage of the shrinkage compensation elements in the formulation. A masonry primer may be applied to the masonry to minimize liquid absorption. In common with all Portland Cement products, Cembond Grout should not be used at temperatures below 5°C (41°F) or if there is a danger of frost.
- CURED PROPERTIES:** Typical compressive strength development at 20°C, 100mm cubes cast under restraint, wet cured, at 0.31 wsr.
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| <u>1 day</u> | <u>3 days</u> | <u>7 days</u> | <u>28 days</u> |
| 20N/mm ² | 25N/mm ² | 30N/mm ² | 40N/mm ² |
- YOUNG'S MODULUS 26.5 Gpa (at 28 days)
- SPECIFIC USES:** Injection grout for voids/dowels in masonry, concrete and brickwork.
- CLEANING OF TOOLS:** After use clean all tools mixers and containers with clean water.

**The requirements for a Rotafix product(s) may be specific for an individual project.
Advice given by Rotafix can only be considered as part of the contract if it is provided in writing.**

Cembond Grout contains Portland Cements and is therefore alkaline when wet. Unnecessary skin contact should be avoided. In case of eye contact, the eye must be irrigated with gently running water and medical attention sought. 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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