

# REPAIR & GROUT

Fast setting non-shrink cementitious grout & patching mortar



## DESCRIPTION:

REPAIR & GROUT is a fast setting, versatile, non-shrink cementitious grout & patching mortar for small projects. It can be used as a pourable grout or patching mortar depending on the amount of water added. Characteristics include versatility, fast setting times; high early strength, shrinkage compensation, excellent substrate adhesion and durability.

## TYPICAL APPLICATIONS:

- Numerous small volume grouting & patching applications
- Repairs to old or new concrete
- Anchors, bolts, rods & dowel grouting
- Structural void filling

## ADVANTAGES:

- Just add water
- Pourable or trowel-on options
- Fast setting
- Short curing time
- High early strength
- Trafficable after 6 hours ( weather dependent)
- Shrinkage compensated
- High bond strength
- Durable

## YIELD

### As Grout

5kg: Approx 2.64L or 0.00264m<sup>3</sup>

### As Mortar

5kg: Approx 2.50L or 0.00250m<sup>3</sup>

## TECHNICAL DATA:

COMPRESSIVE STRENGTH: 40MPa in 6 hrs; 50MPa @ 24 hrs; 60MPa @ 28 days; 3.2L of water

BOND STRENGTH: > 3MPa

THERMAL COEFF. OF EXP:  $9.0 \times 10^{-6}$  mm/mm/ °C

CHLORIDE ION PERMEABILITY: < 1000 coulombs

WORKING TIME: 30 minutes at 20°C

APPLICATION TEMP: 1°C to 25°C

POT APPEARANCE: Sand/cement grey powder

## PACKAGING

625gms, 1.25Kg and 5Kg

## STORAGE & SHELF LIFE

Can be stored in its original container with lids tightly sealed in a cool place away from direct sunlight for a period of 6 months after production.

## SUBSTRATE PREPARATION:

Substrates should be clean & free from all contaminants, loose particles, coatings, curing compounds, dirt, mould, soft efflorescence etc. Substrates must be sound, rough & dampened to ensure a good bond.

## MIXING:

Mix whole containers of product where possible. Mix thoroughly for 2 minutes using a drill & paddle mixer. In very hot weather use chilled mixing water. Do not mix more product than can be mixed, placed and finished in 15 to 20 minutes. Use product immediately after mixing.

**Pourable Grout:** Add approx 120mL of water per kg of product to the mixing container & then add the product to the water. Begin mixing. Add rest of water slowly whilst mixing until a pourable consistency is achieved. Typical total water for a pourable to fluid consistency is approx 150ml for every 1kg of product.

### Trowel-On Mortar:

Add approx 100mL of water per kg of product to the mixing container & then add the product to the water. Begin mixing. Add rest of water slowly whilst mixing until a pourable consistency is achieved. Typical total water for a mortar consistency is approx 125ml for every 1kg of product.

## APPLICATION:

**Pourable Grout:** Typical application depths are from 5mm to 150mm. Dampen the concrete substrate with water just prior to mixing. Avoid any water ponding. Pour the REPAIR & GROUT into place while the substrate is still damp. Application is from one side only completely filling the void & avoiding air entrapment. Rod grout to compact if required. Trowel finish as required.

**Trowel-on Mortar:** Typical application depths are from 5mm to 40mm. Build to 25mm on vertical surfaces & 40mm on horizontal surfaces. Apply product in layers for thicker patching. Always apply consecutive layers to a roughed & MULTIBOND primed preceding surface.

Dampen the concrete substrate & then thoroughly prime it with Cemix MULTIBOND brushed neat into the surface just prior to mortar application. Firmly push the mortar into the surface to obtain a wet bond while the MULTIBOND is still wet or tacky. Application is from one side of the patch to the other completely filling the void. Firmly compact the mortar into the void. Trowel finish as required.

## CURING:

Cure product thoroughly by keeping it wet after it has set for at least 6 hours and preferably for 24 hours. Avoid freezing.

**PRECAUTION**

This is a fast setting product. Do not mix more product than can be mixed, placed and finished in 15 to 20 minutes  
Do not apply product onto surfaces less than 1°C & more than 25°C. Do not use product in temperatures less than 1°C & more than 25°C. In very hot weather, use chilled mixing water

**CLEANING:**

Clean all tools with water immediately after use.

**SAFETY:**

Avoid contact with eyes & skin, both from wet & dry mix. Do not breathe in dust. Wear suitable protective clothing, gloves, eye protection & barrier cream. Wear a suitable dust mask. Wash thoroughly after handling & store any leftover material properly.

**FIRST AID:**

Irrigate eyes & skin with plenty of water & seek medical advice immediately.

**SPILLS & LEAKS**

Keep out of sewers & storm water drains & dispose of any leftover material as trade waste in accordance with local authority guidelines.

**DISCLAIMER:**

*Recommendations & advice regarding the use of this product are to be taken as a guide only. Other than as appears on this products packaging, CEMIX LTD does not give any warranty express or implied as to the suitability of this product for your particular use, because the usage of this product is beyond the control of CEMIX LTD. If you need advice concerning the use of suitability of this product for your particular application, please contact CEMIX LTD first. If this product is defective because of CEMIX LTD's fault, please contact CEMIX LTD. who will replace it at no cost.*

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