

COGRI RAPID MENDER

DESCRIPTION

COGRI RAPID MENDER is a specially formulated polymer premium rapid repair mortar of the highest quality. With a record of delivering high quality concrete floor repairs with minimal downtime in demanding industrial environments, it is the choice for professionals. The three pack product consists of 1 litre bottles of liquid Part A and Part B, plus a bag of specially graded filler sand. COGRI RAPID MENDER is self-priming; therefore there is no requirement to apply a primer coat. COGRI RAPID MENDER is easy to place using hand tools delivering concrete arris repairs with the highest mechanical properties.

COGRI RAPID MENDER is resistant to a wide range of chemicals including petroleum products. The mortar is stable to freezing and thawing and can be applied in chilled and freezer stores.

COGRI RAPID MENDER has the advantage of rapid curing rates and can be opened to heavy duty traffic within the hour. It is capable of curing within temperature range of -35°C to 40°C.

Used for: Repair of floor joints to concrete industrial floor slabs, in an instant.

Typical Properties at 20°C

Pot Life	2 – 3 minutes
Working Time	5 – 6 minutes
Tack Free Time	15 minutes
Open to Traffic	30 minutes
Bond Strength	Concrete Failure

INSTRUCTIONS FOR USE

Preparation

Remove all loose material, plaster, paint and oily deposits to produce a sound clean surface. COGRI RAPID MENDER is moisture sensitive and it is essential all surfaces are DRY before application. Cut back repair edges to avoid feather edging.

Mixing

The mixing of COGRI RAPID MENDER should be carried out with full packs only. Pour all of the resin and hardener into a clean vessel. Mix with a slow speed high torque drill and Mortar Stirrer for approximately 8 – 10 seconds until homogeneous. Add the filler sand slowly whilst continuously mixing. After all filler has been added, mix until a consistency suitable for trowelling is achieved.

Placing

Place the mixed material onto the prepared surface using a clean trowel or other suitable hand tool. Ensure that the applied mortar is worked well into repair edges and any irregularities. Place in layers of approximately 25mm where thicker layers are required contact our Technical Service Department for guidance.

When the mortar has been placed in the joint void, it should finish slightly proud of the surrounding concrete floor profile. It may form a wet appearance as the resin mixture flows to the surface during the rapid curing process. Once it has reached its initial cure the COGRI RAPID MENDER can be ground flush with the surrounding floor profile to leave a smooth finish to the joint repair.

COGRI RAPID MENDER may be placed at temperatures between -35°C and 40°C. For placing at temperatures outside this range contact the Technical Service Department. Tools and mixing equipment should be cleaned with Solvent before the COGRI RAPID MENDER has started to harden.

PRECAUTIONS

Health and Safety

COGRI RAPID MENDER is a resin based product. Resins and solvents may cause allergic reactions in some people. Wear gloves, use barrier cream on unprotected skin areas and wear eye protection when mixing, using and cleaning. Ensure adequate ventilation to prevent inhalation of vapours. If skin contact occurs remove resin immediately with cleansing cream and wash with soap and water. Do not use Solvent. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice. If swallowed do not induce vomiting. Seek medical advice immediately. Full health and safety data are given in Product Safety Data Sheet.

STORAGE and SHELF LIFE

COGRI RAPID MENDER will have a storage life of 12 months in unopened containers when kept in dry conditions at a temperature between 12°C and 35°C. Keep containers closed and protected from atmospheric contamination.

YIELD

Each 9kg pack will yield approximately 4.5 litres of mixed material.

Ideal applications for

- **Repairing spalls & cracks**
- **Restoring integrity to dusted concrete**
- **Used as a parging compound**
- **Bridge deck repairs**
- **Below grade repairs**
- **Spalled control joints**
- **Freezer applications and much more**

Rapid Mender is ultra-low viscosity in neat configuration and will penetrate concrete with its Nano Dowel technology for a permanent bond.

Used as a primer: Carefully pour/dispense material into properly prepared area. Protect surrounding areas from excess material. Spread as necessary with squeegee and allow to dry.

May be sprayed through plural component equipment (low viscosity formulation only), squeegee, roller or brush to 5 to 10 mils.

Used in patching applications: holes, divots, pop outs and re-nosing of joint, aggregate needs to be mixed into **RapidMender®** ('A' & 'B' already mixed 1:1) or at a 3 to 1 ratio (aggregate to **RapidMender®**), but not more than 4 to 1. 20 to 30 or 60/30 silca sand dry mesh is ideal size. Trowel as necessary and allow to dry.

Please review Material Processing & Handling Information for further details. **RapidMender®** is not to be used on non-porous substrates. **RapidMender®** can be top coated if desired, follow proper surface preparation procedures.

Clean Up- Cured product may be disposed of without restriction. Excess liquid 'A' & 'B' material should be mixed together and allowed to cure, then disposed of in the normal manner. Product containers that are "drip free" may be disposed of according to local, state and federal laws.

Basic safety for personal protection:

- Long sleeve overalls or disposable Tyvex overalls
- Rubber gloves
- Splash shield or safety glasses with splash guards
- Rubber or leather boots
- Respirator
- Do not use near high heat or open flame
- Do not take internally
- Keep out of reach of children

Shelf Life- One year from date of shipment, in original, unopened factory containers, under normal storage conditions of 55°F to 95°F (18°C-35°C).

Typical Product Properties

Solids Content 89
Shore D Hardness 71
Elongation 6%
Tensile Strength 4500 PSI
Compressive Strength Neat 3800 PSI
Compressive Strength with sand 4450 PSI
Shrinkage None
Exudation none
Viscosity cps neat @ 77F 25
VOC, g/l 2.3

**For further information and sales please contact
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