

## Cogri RapidMender™ Cartridge Kit

**Cogri RapidMender Cartridge Kit** is a 100% solids uniquely formulated rapid repair Polyurea product. In its basic low viscosity formulation, **RapidMender** may be used in a variety of unique applications to repair concrete substrates.

**RapidMender** may be used with all rapid curing polyurea sealants and spray coating systems. It is designed for use in both interior and exterior concrete repair applications.

Dyes and pigments may be added to the product.

### Ideal for Applications in:

- Repairing spalls and cracks in traffic areas
- Repairs for polished concrete
- Filling holes in horizontal surfaces
- Repairing exterior and interior horizontal surfaces of concrete and masonry
- Bridge deck repairs
- Below grade repairs
- Spalled control joints
- Freezer applications
- Pool deck joints
- Occupied Spaces

### Advantages:

- UV & color stable for indoor & outdoor usage
- Very low odor
- Low viscosity in neat configuration will penetrate concrete for permanent bond
- Cures in 1 hour for quick open to traffic
- Can cure in -30°C. Cure time will be extended at lower temperatures
- Self-leveling
- May be feather edged
- Good chemical & abrasion resistance
- Nano dowel technology

### Typical Properties

- Gel time 3-5 minutes
- Working time 5 – 10 minutes
- Tack free @ 20°C 15-20 minutes
- Grind or polish 2 hours
- Open to traffic 1 hour

### Preparation

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

### Mixing

Cogri RapidMender™ Cartridge Kit is a two-component product. Before using material, thoroughly shake the cartridge for a few minutes.

Cogri RapidMender™ Cartridge Kit can be pour and hardener into a clean vessel and mixed with fine silica sand. 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.

### Physical Properties

Tensile Strength (psi)		6,100 - 6,600
Tensile Elongation (%)		2 - 4
Modulus of Elasticity (kpsi)		240 - 345
Tear Strength (lb./in.)		590 - 675
Shore (D) Hardness		70+
Taber abrasion, mg wt. loss (1,000 g, 1,000 revs., H-18)		270 - 310

The value ranges stated in this Technical Data Sheet are based on system processing under laboratory conditions. Equipment configurations and/or field application conditions may produce variances in final system values.

## Packaging

Cogri RapidMender™ Cartridge Kit is 300ml of 'A' side and 300ml of 'B' side packaged as a duplex cartridge.

## 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

## 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 RapidMender™ can be ground flush with the surrounding floor profile to leave a smooth finish to the joint repair.

Cogri RapidMender™ Cartridge 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 RapidMender™ has started to harden.

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.

**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).

**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.

**For further information and sales please contact**

**CoGri Australia on +61 1300 802 558**

**[www.cogrigroup.com](http://www.cogrigroup.com)**



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