



## COGRI ARRIS REPAIR MORTAR

### DESCRIPTION

COGRI ARRIS REPAIR MORTAR is a premium epoxy resin based repair mortar of the highest quality. With a demonstrable record of proven performance it is the choice for professionals. The three pack product consists of a resin base, a bottle of hardener and a bag of specially graded fillers. The working surface requires to be primed using COGRI Bondcoat. COGRI ARRIS REPAIR MORTAR is easy to place using hand tools delivering concrete arris repairs with the highest mechanical properties.

COGRI ARRIS REPAIR MORTAR is resistant to a wide range of chemicals including petroleum products. The mortar is stable to freezing and thawing

**Used for: Repair of floor joints to concrete industrial floor slabs.**

### Typical Mortar Properties @ 20°C

#### COMPRESSIVE STRENGTH

1 Day	3 Day	7 Day
95N/mm <sup>2</sup>	100N/mm <sup>2</sup>	105N/mm <sup>2</sup>

Tensile Strength	17.3N/mm <sup>2</sup> @ 7 Days
Flexural Strength	35.2N/mm <sup>2</sup> @ 7 Days
Density	2000 kg/m <sup>3</sup>
Useable Life	40 minutes

#### STANDARDS

COGRI ARRIS REPAIR MORTAR has been tested in accordance with the appropriate parts of B.S. 6319

#### SPECIFICATION OUTLINE

Repairs shall be carried out using COGRI ARRIS REPAIR MORTAR. The product must be stored, handled and used strictly in accordance with the manufacturer's instructions.

#### INSTRUCTIONS FOR USE

##### Preparation

Remove all loose material, plaster, paint and oily deposits to produce a sound clean surface. Roughen

smooth concrete to give a good mechanical key. Cut back repair edges to avoid feather edging. Expose reinforcing steel two thirds of its circumference in a sound concrete background. Totally expose steel in areas where concrete repairs are deeper than the steel embedment depth. Clean back corroded reinforcing steel to bright metal. Protect cleaned steel with Steel Primer.

##### Priming

Using COGRI Bondcoat, pour all of the contents of the hardener bottle into the resin tub and mix thoroughly until homogeneous. Apply a thin continuous coat of mixed primer to the work area using a stiff bristle brush. Place the mixed COGRI ARRIS REPAIR MORTAR, see section below, within 30 minutes of priming. If primer is absorbed by a porous substrate, re-prime before applying mortar.

##### Mixing

The mixing of COGRI ARRIS REPAIR MORTAR 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 until homogeneous. Add the filler slowly whilst continuously mixing. After all filler has been added, mix for a further one minute.

For larger quantities place the mixed resin system into a suitable mixer such as the Mixal or Creteangle. Start to mix and slowly add the filler. When all the filler has been added, mix for a further one minute.

##### Placing

Place the mixed material onto the primed surface using a clean trowel or other suitable hand tool. Ensure that the applied mortar is worked well into repair edges and any irregularities. A smooth surface finish may be achieved using a steel float moistened with Solvent. Place in layers of approximately 10mm to 50mm. Where thicker layers are required to be built up, the surface of the under layer should be left with a wood float finish and should be scored. Subsequent primer and mortar layers may be applied as soon as the initial layer is firm enough not to distort under the new work

COGRI ARRIS REPAIR MORTAR may be placed at temperatures between 5°C and 35°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 ARRIS REPAIR MORTAR has started to harden.





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### **Curing**

No special curing practice is required.

### **PRECAUTIONS**

#### **Health and Safety**

COGRI ARRIS REPAIR MORTAR 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.

### **FIRE**

COGRI ARRIS REPAIR MORTAR is classified as non-flammable. Solvent is flammable. Should fire occur extinguish with CO<sub>2</sub> or foam.

### **STORAGE and SHELF LIFE**

COGRI ARRIS REPAIR MORTAR will have a storage life of 12 months in unopened containers when kept in dry conditions at a temperature between 5°C and 45°C. Storage at higher temperatures or high humidity may reduce shelf life.

### **YIELD**

Each 16kg pack will yield approximately 8 litres of mixed material.

### **PACKAGING and ORDERING**

COGRI ARRIS REPAIR MORTAR is supplied in 16kg packs.

16kg pack

COGRI Bondcoat is supplied in 0.8 kg packs.

0.8kg pack

**For further information and sales please contact  
CG Flooring Systems Ltd +44 (0)1484 600085  
[www.cg-flooring.com](http://www.cg-flooring.com)**