

GENERAL DESCRIPTION

AXEL MORTAR 303MC is a 2 component ultra-high strength epoxy paste formulated as a patch repair mortar to repair concrete defects such as spalling, pot holes at walls or industrial floors.

AXEL MORTAR 303MC is also designed for use as general purpose epoxy glue and can be used to bond a variety of different substrates used in construction together, such as glass or steel to concrete etc. It is not suitable for bonding to plastic.

RECOMMENDED USES

- * Concrete walls
- * Concrete edging
- * Joint filler
- * Similar grouting applications as in concrete structures
- * Concrete floors
- * Column bases
- * Crack lines

CHARACTERISTICS & ADVANTAGES

- * Controlled shrinkage, ensuring positive surface contact
- * High compressive & bond strength
- * General chemical resistant properties
- * Reduced maintenance cost
- * Re-coatable with most solvent epoxy system
- * No rusting or staining on exposed edges
- * No corroding
- * Seamless joints
- * Very hard & durable
- * Anti dust & easy to clean

COVERAGE

Depending on site situation

COLOURS

Concrete Grey

PACKING

1 kg per set (Part A: 0.75 kg per can
6kg per set (Part A: 4.5 kg per pail

Part B: 0.25 kg per can)
Part B: 1.5 kg per pail)

STORAGE

Store in a dry, cool and shaded place



SURFACE PREPARATIONS

The substrates shall be clean, dry and free from oil or grease. Remove any loose or honeycomb concrete until a firm base is achieved. Mix Part A and B preferably with a mixer tool. However, if hand mix is used care must be taken to ensure that it is mixed evenly. Place the freshly mix **AXEL MORTAR 303MC** on to the substrate. Discard any balance materials when it begins to set.

METHOD OF APPLICATION

- * Use either hand mixing or mechanical mortar mixing, preferably of the paddle or revolving drum type.
- * Allow approximately 5 minutes mixing. Thorough mixing is essential for achieving maximum results.
- * **AXEL MORTAR 303MC** mortar should be placed within 20 minutes of mixing.
- * During that time keep material in mixer well agitated.
- * After 25 minutes, discard any grout mix that shows signs of stiffening.

For concrete repair:

Mix Part A and B preferably with a mixer tool. However, if hand mix is used care must be taken to ensure that it is mixed evenly. Place the freshly mix **AXEL MORTAR 303MC** on to the substrate. Discard any balance materials when it begins to set.

CLEANING OF TOOLS

Clean all tools and application equipment with solvent immediately after use. Hardened or cured material can only be mechanically removed.

TECHNICAL SPECIFICATIONS

No. of component	Two
Form	Paste
Mixing ratio	3:1 (A:B)
Mix density (25°C)	~1.77 kg/l
Working time (28°C)	Approximately 30 minutes
Compressive strength	~70 MPa (7 days @ 25°C)
Flexural strength	25 MPa
Bond strength	100% concrete failure > 2.5 MPa
Initial setting time	~ 1 hours depend on temperature and humidity
Full cure	7 days
Water absorption	< 0.5%

SHELF LIFE

12 months from the date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions.

The above data is provided in good faith and to the best of our knowledge. However, since application and services conditions are beyond our control, we do not accept liability relating to coverage, performance and injury arising from the use of our products based on the data. Further with the constant advancement of technology we reserve the right to modify data without prior notice and we advise that you check with our Axelchem Technical Department at Tel: 603-6276 2118 the validity of these data especially if more than six months have lapsed since issue.