

TECHNICAL DATA SHEET

FASTROCK SUPER ACCELERATED MORTAR

Rapid setting high-strength cementitious repair mortar

DESCRIPTION

Fastrock Super Accelerated Mortar (3.09) is a mix of special cement powders, accelerators, innovative admixtures and graded sands which, when mixed with water, produces a rapid setting, quick strength structural cementitious mortar. Fastrock Super Accelerated Mortar is ideal for use in low temp applications, urgent repairs factory floors, motorway and runway repairs, and a wide range of other applications. It is also the ideal product for plugging running water through damaged concrete structures.



SPECIAL PROPERTIES

- Simple and easy to use, just add water, and mix.
- Portland cement based, shrinkage compensated and microsilica enhanced.
- Produces a rapid early strength mortar at 0°C and below.
- Compressive strength of 4MPa at 1 hour, 10MPa at 3 hours at 0°C!
- Excellent bond strength, and resistance to shock, abrasion and mechanical attack.
- Contains no chlorides, high alumina cement or other deleterious substances
- High yielding, non-flammable, non-toxic, odour free, user friendly and safe to use.

USES

- In situations that require a rapid strength mortar at 0°C and below.
- Repairs to factory floors, car parks, forecourts, loading bays and ramps that require early trafficking.
- Repairs to concrete in refrigeration plants and freezer stores at temperatures below -10°C.
- Quick fixing and bedding in applications that require a rapid early strength, such as crash barriers, posts, signposts, manhole covers and rings, kerbs, drains and precast concrete.
- To stop continuous water leaks in concrete structures.
- In tunnels, culverts, pipes.
- Seal cracks in floors and walls.

MIXING INSTRUCTIONS

NOTE: Mix only enough material that can be placed in 1-2 minutes.

Fastrock Super Accelerated Mortar (RB 3.09) powder is mixed with water using a suitable container, to achieve a putty-like consistency.

Setting time is in progress when the mixed product becomes warm. Once this process starts occurring, do not add more water or re-work but apply the product immediately.

HEALTH AND SAFETY

Rockbond Special Concrete Products are generally quite harmless, provided normal precautions are taken when handling chemicals.

Avoid contact with food stuffs and utensils. Avoid prolonged skin contact. Wear protective clothing, gloves, goggles etc. In the event of contamination wash thoroughly with water. If the eyes or mouth are affected wash with clean water and obtain medical attention.

APPLICATION PROCEDURE

Make sure that all surfaces with which the ROCKBOND FASTROCK SUPER ACCELERATED MORTAR (RB 3.09) comes into contact with, are clean and damp. A strong concrete substrate free from all friable material will enhance a good bond.

To ensure that Fastrock Super Accelerated Mortar (RB 3.09) will work most effectively in stopping leaks it may be necessary to enlarge the hole or crack to a minimum depth of at least 10 mm. A square cut would be the best option but a 'V' cut is not unacceptable.

With a gloved hand or trowel, rub and push firmly the mixed Fastrock Super Accelerated Mortar (RB 3.09) into the crack or hole, keeping your hand or trowel on the material at all times, using maximum pressure, whilst the product sets. Do not remove your hand or trowel too soon.

Once the leak has stopped, keep the set-mortar damp for at least 10-15 minutes.

As with all cementitious products, clean tools immediately after use.

Available in 10kg plastic pails.

TECHNICAL DATA

COLOUR:	Light to dark grey powder
SPECIFIC GRAVITY:	1.70 kg/Lt (wet) 1.40 kg/Lt (dry)
APPLICATION TEMP:	+1°C
INITIAL SET:	2-4 minutes
COMPRESSIVE STRENGTH:	1 Hour - 5 MPa 2 Hours - 10 MPa 24Hours - 20 MPa 7 Days - 40 MPa 28 Days - 60 MPa
TOXICITY:	Non-Toxic when cured
DG CLASSIFICATION:	Not applicable
SHELF LIFE:	12 months in original unopened container.
YIELD:	10kg powder = 6.2 ltrs of wet mortar

TECHNICAL INFORMATION

Should you have any queries, or require further information, please contact our **Technical Sales Team: +64 4 568 5401**