

TECHNICAL DATA SHEET

FASTROCK CEMENT & MORTAR

Accelerated materials of low temperatures

DESCRIPTION

Rockbond Fastrock Cement & Mortar powder, when mixed with water, produces a fast setting, quick strength cement. When a quick strength mortar is required, sand is mixed with the cement. If a quick strength concrete is required, sand and aggregate are mixed with the cement. The cement is ideal for use on site to produce non-flow mortars and concretes for concrete repairs, and bedding in applications when an early return to service is required. Fastrock Mortar is Fastrock Cement premixed with graded sands and is ready for use. Fastrock Accelerated Cement and Fastrock Accelerated Mortar are used when an early gain in strength is required when ambient temperatures are low. Fastrock Cement and Mortars are packaged in 4 kg plastic buckets and 25 kg durable bags, with a shelf life of 2 years.





SPECIAL PROPERTIES

- The powder contains a fine blend of non-shrink cements.
- Simple and easy to use, just add cement and fillers to water, and mix.
- Produces fast setting and rapid hardening mortars and concretes.
- Strong cementitious binder: produces materials of high strengths.
- Produces excellent bond strengths, impermeable and durable.
- Cement combined with site batched fillers produce low cost materials.
- Contains no chlorides, ferrous metal or other deleterious substances.
- Non-toxic, user friendly and safe to use.

USES

- Quick fixings and connections into concrete, rock, block, and brick
- Applications that require quick strength mortars and concretes.
- Quick and thin sections repairs to concrete and masonry.
- Patch repairs to roadways, pathways, floors and steps.
- Quick bedding-in of manhole rings and covers, posts, frames, kerbs, stones, slabs, bricks and frames.

MIXING INSTRUCTIONS

Rockbond Fastrock Cement and Mortar powders are mixed with water using a suitable container, a pneumatic or electric drill (1 kW), and a Rockbond stirrer. Mix small quantities of cement or mortar with water as and when required:-

Pour a quantity of water into the container

Slowly sprinkle the powder onto the water while mixing

Continue to add and mix to obtain the required consistency

The cement or mortar is now ready to use

For an accelerated mix: reduce the water/cement ratio to 25%.

For a retarded mix: increase the water/cement ratio to 40%.

Normally mix to a slightly wet mortar consistency. For quick strength materials that require a sand, or a sand and aggregate, the maximum dosage of filler is 1 part cement to 3 parts fine sand, or sand and aggregate. Use sand and aggregates that are clean and dust free. For quick and high strength materials, increase the cement content and reduce the water.

APPLICATION PROCEDURE

For concrete repairs: substrates should be clean, free of laitance, dust and contaminants such as oil and grease. The perimeter of repair areas should be square cut. If required, use Primer Latex (RB 7.13) to consolidate, seal and prime concrete substrates.

Only mix as much mortar or concrete that can be comfortably placed in 10 minutes. Once in place avoid trafficking for 2 hours.

For winter weather work, low temperature applications (below 10°C approximately), or when a rapid early strength gain is required, use Fastrock Accelerated Cement (RB 3.03) or Fastrock Accelerated Mortar (RB 3.04).

Spray or brush the curing agent at the rate of 10m²/Lt. During adverse weather conditions, such as high temperatures and drying winds, repeat the procedures after the first application is dry.

TECHNICAL DATA

Water/ Powder Ratio	32%	
Consistency/Life	Good Mortar/20 Minutes	
Density	2020kg/M3	
Minimum Compressive Strength	Days	MPa
	1	25
	7	35
	28	50
Yield per 25kg	15 Litres of cement. 1m3 requires 1.675 tonnes	

HEALTH AND SAFETY

Rockbond Special Concrete Products are non-toxic and safe to use. However, use the same precautions as with any cementitious product, wear goggles, protective clothing and dust mask while mixing and applying the material.

TECHNICAL INFORMATION

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