

ROCKBOND FASTROCK GROUT & CONCRETE

Fast setting, Quick Strength gain and ready to use

DESCRIPTION

ROCKBOND FASTROCK GROUT (RB 3.05) powder contains a blend of fine cement powders, high quality graded sands, and a union of admixtures. The admixture also contains a unique system of chloride free accelerators. The powder is pre-mixed and ready-to-use and, when mixed with water, produces a fluid grout that develops an early gain in compressive strength. ROCKBOND FASTROCK CONCRETE (RB 3.06) powder contains a durable aggregate, and is applied to sections greater than 60mm. ROCKBOND FASTROCK ACCELERATED GROUT (RB 3.07) and ROCKBOND FASTROCK ACCELERATED CONCRETE (RB 3.08) are used when an early gain in strength is required when ambient temperatures are low. ROCKBOND FASTROCK GROUTS and CONCRETES are packaged in 25kg durable bags.

SPECIAL PROPERTIES

- Ready and quickly mixed with water.
- Fastrock Accelerated Grout reaches: 10MPa at 1 hour & 30MPa at 2 hours at 20°C.
- High ultimate compressive strength
- Excellent bond strength and resistance to mechanical attack.
- Contains no chlorides, high alumina cement or other deleterious substances.
- Economical, non-flammable, non-toxic and safe to use.

USES

- In situations that require a rapid gain in early compressive strength at 0°C to 20°C.
- Repairs to roadway, carriageway and runway concrete.
- Repairs to factory floors, car parks, loading bays and ramps that require early trafficking.
- Repairs to concrete in cold stores.
- Void filling applications that require early strength.
- To provide early support to machine and structural baseplates.
- Bedding in applications that require early strength such as crash barriers, posts, signposts, manhole covers and rings, kerbs, drain and precast concrete.

MIXING INSTRUCTIONS

ROCKBOND FASTROCK GROUT (RB 3.05 & 3.07) and CONCRETE (RB 3.06 & 3.08) powders are mixed with water using a container, a pneumatic or electric drill (1kW) and a ribbon mixer. For grout add 4 Litres of water to the container or mixer. Pour 25 Kg of powder onto the water while mixing. After all the powder has been added, mix for 30 seconds. The grout is then ready for use. Concrete powders are mixed with water at 10% water content: 2.5 litres of water/25kg bag.

APPLICATION PROCEDURE

Ensure that all surfaces with which the ROCKBOND FASTROCK Materials come into contact with are clean and dust-free.

On friable, weak or porous concrete substrates, apply ROCKBOND LATEX CONCENTRATE (RB7.15) to consolidate, seal and prime the concrete substrate.

For application in high volume/low surface area situation (nominal sections greater than 60 mm), or where the material is exposed to aggressive mechanical attack or abrasion, ROCKBOND FASTROCK CONCRETE should be used.

At temperatures below 5°C ROCKBOND FASTROCK ACCELERATED GROUT (RB 3.07) or ROCKBOND FASTROCK ACCELERATED CONCRETE (RB 3.08) should be used.

HEALTH AND SAFETY

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

TECHNICAL DATA

TYPICAL DATA for FASTROCK GROUT (RB 3.05) at 16% water/powder ratio at 20°C

CONSISTENCY: Fluid
CONSISTENCY LIFE: 25 Minutes
DENSITY: 2220 kg/m³
MINIMUM COMPRESSION:
1 hour: 5MPa 2 hours: 10MPa 1 day: 30MPa 7 days: 50MPa 28 days: 60MPa

TYPICAL DATA for FASTROCK CONCRETE (RB 3.06) at 10%water/powder at 20°C

CONSISTENCY: Fluid
CONSISTENCY LIFE: 25 Minutes
DENSITY: 2320 kg/m³
MINIMUM COMPRESSION:
1 hour: 5MPa 2 hours: 10MPa 1 day: 30MPa 7 days: 50MPa 28 days: 65MPa

TYPICAL DATA for FASTROCK ACCELERATED GROUT (RB 3.07) at 16% water/powder ratio at 20°C

CONSISTENCY: Fluid
CONSISTENCY LIFE: 10 Minutes
DENSITY: 2220 kg/m³
MINIMUM COMPRESSION:
1 hour: 10MPa 2 hours: 30MPa 1 day: 40MPa 7 days: 50MPa 28 days: 60MPa

TYPICAL DATA for FASTROCK ACCELERATED CONCRETE (RB 3.08) at 10%water/powder at 20°C

CONSISTENCY: Fluid
CONSISTENCY LIFE: 10 Minutes
DENSITY: 2300 kg/m³
MINIMUM COMPRESSION:
1 hour: 10MPa 2 hours: 30MPa 1 day: 40MPa 7 days: 50MPa 28 days: 70MPa

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