

PRODUCT DESCRIPTION

RCG™ is a premium cement-based grout/mortar designed for use in applications requiring fire ratings. It has outstanding resistance to high temperatures and extreme temperature variations, excellent workability, moisture resistance, and high initial and final adhesion strengths because it is made of high-alumina cement and carefully graded quartz aggregates.

PRODUCT FEATURES

- High-quality cement-based refractory mortar used in hot environments.
- High final strength and durable.
- Easy application, mix with water
- Rapid strength development
- Easy to apply
- Non-shrinking

PRODUCT USES

The RCG™ is a high-performance material that works well for grouting in hot environments. These are typical examples:

- Equipment Base Plates.
- bases for wind turbine towers.
- Centripetal compressors.
- The crane rails.
- Ball Mills - Crusher.
- high levels of vibration, torque, and impact.

TECHNICAL DATA

Density	1.75-1.80 Kg/L
Flexural strength	> 6 N/mm2
Compressive strength (28 days)	18-25 N/mm2
Setting time @ 25°C (initial)	160-185 min.
Setting time @ 25°C (final)	120-190 min.
Service temperature	up to +800 0C
Pot life	3 hr.
Application temperature	from +5 to +35 0C

HOW TO USE

SURFACE PREPERATION

All surfaces that come into contact with RCG™ products must be free of oil, grease, cement residue, and other contaminants. Concrete must be clean, strong, dry and rough to ensure good adhesion. The formwork must be made of solid, non-absorbent material, well anchored, liquid-tight, and strong enough to withstand the forces involved in grouting. The distance between formwork and floor slab must be sufficient to accommodate the headbox. The free space on the remaining sides should be 25-50 mm. Areas where bonding is not desired should be treated with paste wax or polyethylene. Depending on the



Refractory Cementitious Grout - RCG™

dimensions of the concrete, insulation joints may be required.

MIXING

RCG™ is a premixed, non-shrinking mortar. Pour the required amount of water into the mixing container and while rotating the mechanical mixer (up to 400 rpm) gradually add 1 bag of RCG™. Blend for 3-5 minutes until lump free. The amount of water added should be approximately 4.75 l/25 kg bag. Do not add more than the maximum amount of water. This leads to loss of strength and increased separation.

APPLICATION

You can pour RCG™ products. All grout should be applied side to side and should always be in contact with the underside of the base plate.

STORAGE AND DURABILITY

Stored in dry condition
18 months from date of manufacture in unopened original bag when stored in a dry place. High relative humidity reduces shelf life.

CLEANUP

Clean all tools and application equipment with water immediately after use. Hardened and/or hardened material can only be removed mechanically.

FIRST AID

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water; contact physician immediately. For respiratory problems, remove to fresh air. Wash clothing before reuse.

DISCLAIMER OF LIABILITY

AFZIR, LLC warrants its products to be free from manufacturing defects. Buyer determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to replacement of product. Any claim for breach of this warranty must be brought within six months of the date of purchase. AFZIR shall not be liable for any consequential or special damages of any kind, resulting from any claim or breach of warranty, breach of contract, negligence or any legal theory.

RCG™

Refractory Cementitious Grout

The Buyer, by accepting the products described herein, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production.