

PRODUCT DESCRIPTION

FCG™ is a premium, factory prepared, fiber-reinforced cementitious grout designed to be mixed with water. FCG™ fiber-reinforced grout is specially manufactured using portland cement, graded aggregates and micro fibres to provide improved end characteristics and durability in the compression of conventional cementitious grout.

PRODUCT FEATURES

- Fibre reinforced cement based grout.
- Improved end characteristics and durability in the compression of conventional cementitious grout.
- Good flow characteristic.
- Non-shrinking.
- Excellent impact and vibration resistance.
- Mix with water.

PRODUCT USES

FCG™ is a suitable grout over a wide range of applications including:

- Grouting precision equipment, baseplates, soleplates, and columns.
- Precision grouting of machinery like gas turbines, compressors, pumps, lathe and milling machines, etc.

TECHNICAL DATA

Density	~2.28 kg/L
Compressive Strength (28 days)	88.0 N/mm ²
Tensile Strength (28 days)	20.0 N/mm ²
Pot Life	25 min
Initial Set @ 27°C	5-8 hr.
Final Set @ 27°C	6-9 hr.
Mixing Ratio (Parts A:B) by Weight	water per powder = 16 % by weight

HOW TO USE

SURFACE PREPARATION

Concrete surfaces should be clean, sound and as oil- and water-free as possible. Excessively damaged concrete should be removed.

MIXING

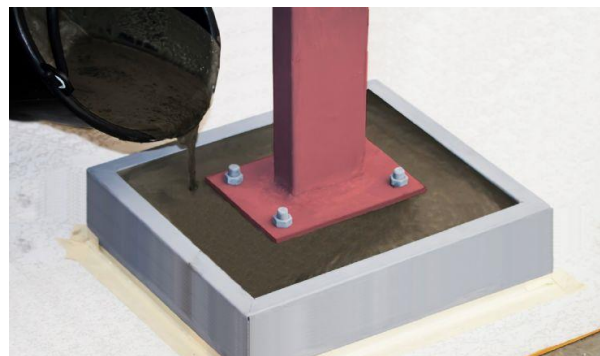
Mix the FCG™ grout and clean potable water depend on the required consistency for 3 minutes to obtain a smooth final mix.

APPLICATION:

- The mixed grout should be poured steadily from one side only to eliminate the entrapment of air.
- Continuous grout flow is essential.
- Sufficient grout must be available prior to starting.
- The time taken to pour a batch should be regulated to the time taken to prepare the next batch.

HANDLING

Approved personal protection equipment should be worn at all times. Particle mask is recommended for possible airborne particles. Safety glasses are



Fiber-Reinforced Cementitious Grout - FCG™

recommended to prevent eye irritation. Wear chemical resistant clothing/gloves/goggles. Ventilate area. In absence of adequate ventilation, use properly fitted respirator.

CLEANUP

Hardened / cured material can only be mechanically removed.

PACKAGING

FCG™ is packaged in 20 kg and 25 kg bags.

STORAGE

9 months after manufacturing date in original unopened sealed bag when stored in dry conditions; high relative humidity will reduce shelf life. Protect from direct sunshine.

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.

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.