

Superior high flowability non-shrink cementitious grout.

Product Description

GripGrout F is a highly flowable cementitious based, high strength, non-shrink and non-metallic mix design for high performance grouting applications where ease of placement and suitability for use under high load and where vibration resistance are important.

Chemical Base

- Specially selected cementitious blends
- Non-shrink additives
- Water reducing additives
- Graded siliceous aggregates
- And other chemical reagents which enhance the total performance of the grout

Characteristics/Advantages

- Easy to use (just add clean water)
- Non-corrosive (will not attack reinforcement)
- Non-metallic
- Non-bleeding
- Excellent adhesion
- Excellent high early and initial strengths
- Very good flow characteristics
- Non-shrinking
- Adjustable consistency (controlled by the amount of water added)

Typical Uses

- Grouting: anchor bolts & starter bars
- Bedding: machine bases, column base plates, crane rails
- Concrete Repairs: grouting cavities and voids in concrete

Surface Preparation

Concrete Surface must be structurally sound, remove all loose concrete. Surfaces must be free of oil, greases, dust, rust, paint laitance and any other contaminants.

Priming/Structural Bonding

No primer required

For structural bonds use **GripEpoxy 107 – Wet to Dry Epoxy Adhesive** (refer to spec sheet)

Mixing

A mechanical mixer is recommended, but the conventional wheelbarrow and spade is also suitable. Add $\frac{2}{3}$ of the required water into the mixer then slowly add the **GripGrout F** whilst mixing, then add the remainder of the water into the mixer until the desired consistency is achieved and free from lumps.

Highly Flowable consistency add up to – 4.5lt water

Flowable consistency add up to – 4.0lt water

Plastic consistency add less than - 3.5lt water

Placing/Application

Concrete surface must be saturated first with water (ensure there is no free standing water)

Mixed **GripGrout F** should be poured immediately after mixing into the cavity from one point to avoid entrapping air. The **GripGrout F** should be applied within 10 minutes of mixing.

Application Properties

Minimum grout depth = 10mm

Maximum grout depth = 150mm

(grouting greater than 150mm use GripGrout 815)

Curing

Grout areas should be covered immediately after placement.

Alternatively apply **GripCure Acrylic** or **GripCure Wax** curing compounds.

PRODUCT DATA

Appearance:	Powder
Colour:	Grey
Packaging:	25kg plastic lined polypropylene bags
Coverage:	1 bag of GripGrout F mixed with 3.5lt of water will yield 12.5lt of mortar
Storage Conditions:	Store in a dry cool area, temperature between 5 - 25°C
Shelf Life	12 months in original unopened bags, when stored in the correct storage conditions



Mechanical / Physical Properties

Type of Grout Mix	Flowable
Mix Ratio	3.5 – 4.5lt
Ambient temperature at mixing	25°C
Yield	12.5lt to 13.5lt
Compressive Strengths	
1 day	20
7 days	≥60
28 days	≥75
SANS 50196 - 1	
Tensile Adhesion Strength	0.84 N/mm ²
28 days	
Flexural Strength	9.5 N/mm ²
28 days	
SET TIMES	
Initial Set	≥60 min
Final Set	≤400 min
SANS 50196 - 3	
Flow Consistency	meets CRD-C 226-80 Specification
Shrinkage EN 12808-4 : 2009 [mm/m]	0.5
28 days Standard Conditions	

Limitations

Do not mix more than 4.5lt of water with **GripGrout F**

Mix only the require amount which can be placed within 10minutes.

Discard mixed **GripGrout F** not used within 30 minutes. DO NOT REMIX WITH ADDITIONAL WATER.

Do not apply if surface temperature area is below 5°C

GripGrout F can be used as a concrete repair floor system, in 1m x 1m sections (No greater)

Cut & break out 1m x 1m sections, minimum depth of 10mm and maximum depth of 150mm.

(Priming, application & curing, refer to method statement above)

GripGrout F CANNOT BE USED AS A CONCRETE FLOOR OVERLAY OR UNDERLAY.

For concrete floor overlays & underlay's use **GripScreed RSL10**, **GripScreed M50** or consult a technical sales representative for advice.

Health and Safety

Refer to **GripGrout F** MSDS sheet