

Fast strength gain flowable non-shrink cementitious bulk grout.

Product Description

GripGrout BG-RS is a flowable cementitious based high strength, non-shrink and non-metallic mix design for high performance grouting applications where thicker crack free high strength applications are required. **GripGrout BG-RS** has a faster set and strength gain than **GripGrout BG** for jobs that require high early strength.

Chemical Base

- Specially selected cementitious blends
- Non-shrink additives
- Water reducing additives
- Graded siliceous high wear resistant 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, quick return to service
- Very good placement and finishing characteristics
- Non-shrinking
- Adjustable consistency (controlled by the amount of water added)

Typical Uses

- Bedding: machine bases and similar
- Concrete repairs: Grouting cavities and voids in concrete
- Pavement and small area flooring applications

Surface Preparation

Concrete surface or substrate 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)

GRIPGROUT BG-RS



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 BG-RS** whilst mixing, then add the remainder of the water into the mixer until the desired consistency is achieved and free from lumps.

Flowable consistency add up to – 2.8lt water

Plastic consistency add less than – 2.8lt water

Placing/Application

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

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

Application Properties

Minimum grout depth = 30mm

Curing

Grout areas should be covered as soon as possible placement.

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

Product Data

Appearance:	Powder
Colour:	Grey
Packaging:	25kg plastic lined polypropylene bags
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

GRIPGROUT BG-RS



Stanton
Construction
Chemicals

Mechanical / Physical Properties

Type of Grout Mix	Flowable bulk grout
Mix Ratio	2.7 – 2.9lt
Ambient temperature at mixing	25°C
Yield	12lt to 12.2lt
Compressive Strengths 1 day 7 days 28 days SANS 50196 - 1	≥25MPa ≥55MPa ≥65MPa
SET TIMES Initial Set Final Set SANS 50196 - 3	≥45 min ≤180 min
Shrinkage EN 12808-4 : 2009 [mm/m] 28 days Standard Conditions	0.5

Limitations

Do not mix more than 2.9lt of water with **GripGrout BG-RS**

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

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

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

Health and Safety

Refer to **GripGrout BG-RS** MSDS sheet