

Superior, high-flowability, non-shrink, rapid set, cementitious grout.

Product Description

SuperSet Grout is a rapid setting highly flowable cementitious based, high-strength, non-shrink and non-metallic mix designed for high performance grouting applications where ease of placement, fast setting time 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
- 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
- Fast-setting

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

The 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)

SuperSet Grout



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

Application Properties

Minimum grout depth = 10mm

Maximum grout depth = 150mm

(grouting greater than 150mm use GripGrout BG)

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 SuperSet Grout mixed with 3.5lt of water will yield 12.5lt of grout
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

SuperSet Grout



Stanton
Construction
Chemicals

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	
3 hour	≥10
1 day	≥16
7 days	≥48
28 days	≥60
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] 28 days Standard Conditions	0.5

Limitations

Do not mix more than 4.5lt of water with **SuperSet Grout**

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

Discard mixed **SuperSet Grout** not used within 20 minutes. DO NOT REMIX WITH ADDITIONAL WATER.

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

Setting times can be affected by temperature, For application lower than 15°C warm water no hotter than 50°C can be used to accelerate the setting time.

Health and Safety

Refer to **SuperSet Grout** MSDS sheet