

CS FLOWGROUT GP is a ready to use, non-shrink cementitious grout. It is a blend of Portland cement, graded fillers and chemical additives which impart controlled expansion in the plastic state whilst minimizing water demand to produce a consistent, high strength grout.

DESCRIPTION

CS FLOWGROUT GP is a ready to use, non-shrink cementitious grout specially designed for precision grouting applications. The controlled expansion in plastic state compensates for shrinkage and ensures solid, durable and void free placement. It provides high early and ultimate strength with excellent bond to concrete and steel.

FEATURES & BENEFITS

-  Non-Shrink
-  Excellent flow and consistent grout
-  High bond strength with concrete and steel
-  High early and ultimate strength
-  Impermeable and durable
-  Easy to use – just add water

TYPICAL USES

- Grouting of machinery and rail base plates
- Bedding and supporting equipment
- Void filling and anchoring of bolts
- Precast element jointing
- Floor panel repairing where high early strength is required

PACKAGING

 CS FLOWGROUT GP is supplied in 20 kg bags.

SHELF LIFE & STORAGE

 Shelf life is 6 months from the date of manufacturing if stored in original unopened bags in a cool, dry place on wooden pallets, away from direct sunlight.

HEALTH & SAFETY

 The product is non-toxic but alkaline in nature. Wear gloves, goggles and mask during mixing and application. In case of contact with eyes or skin, wash thoroughly with clean water. Do not ingest. Refer to MSDS for complete information.

TECHNICAL INFORMATION

Product Type	:	Cementitious Non-Shrink Grout
Appearance	:	Grey Powder
Maximum Aggregate Size	:	10 mm
Mixing Water (per 20 kg bag)	:	Trowel able: 2.6 – 2.9 L Flow able: 3.0 – 3.5 L
Density (Fresh)	:	~ 2,240 kg/m ³
Setting Time	:	Initial: 2.5 – 2.75 hours Final: 4.5 – 5 hours
Compressive Strength	:	1 Day: ≥ 26 MPa 7 Days: ≥ 44 MPa 28 Days: ≥ 62 MPa
Flexural Strength	:	1 Day: ≥ 2.5 MPa 7 Days: ≥ 10 MPa 28 Days: ≥ 11 MPa
Yield	:	Approx. 0.50 ft ³ (14.2 L) per 20 kg bag
Flow	:	200 – 240 mm (Flow Table)
Applicable Standard	:	ASTM C1107
Application Temperature	:	10°C to 40°C
Base Plate Thickness	:	Up to 100 mm (pour in one lift)
Shelf Life	:	6 Months

APPLICATION INSTRUCTIONS



SURFACE PREPARATION

All surfaces must be clean, sound and free from oil, grease, dust, laitance and loose particles. Bolt holes and pockets must be blown clean with oil free compressed air.



MIXING

Add the required quantity of clean water (as per table above) into a clean container. Gradually add powder while mixing continuously with a slow speed mixer (300 – 500 rpm) until a smooth, lump free grout is obtained. Mixing time: 3 – 5 minutes.



PLACING

Place the grout within 20 minutes of mixing. For base plates, ensure continuous flow from one side only to avoid air entrapment. Use head box, grout pump or suitable pouring method for large volumes.



CURING

On completion of grouting, expose areas should be cured immediately. Keep moist for at least 3 days using water spray, wet burlap or curing compound. Protect from direct sun, wind and frost.

IMPORTANT NOTES



- Do not add extra water.
- Do not use damaged or opened bags.
- Use within pot life.
- For best performance, follow recommended water dosage and application instructions.

