

General Purpose Class A Grout

DESCRIPTION



TamCrete GP is a non-shrink, class A cement based, high strength grout which is specially formulated for use in critical grouting operations where positive expansion and non-staining characteristics are required.

KEY BENEFITS

- > Positive expansion to ensure effective contact and support
- > Good flow characteristics to allow ease of application
- > Rapid strength development to ensure minimal downtime
- > Reliable factory controlled quality formulations eliminating site batching errors
- > High ultimate strength and low permeability giving long-term durability
- > Iron-free, eliminating staining or deterioration due to rust expansion
- > Chloride-free, allowing use in contact with reinforced steel

TYPICAL APPLICATIONS

- > Heavy duty support beneath load bearing units such as stanchion bases, machine base plates and crane rails
- > Concrete repair (when dry packed)
- > Pressure grouting
- > Anchoring grout for anchor bolts and masts

TECHNICAL DATA

Flowable	
Compressive strength @ 28 days (CS1:1990 section 12) (ASTM C942:86:1991)	50 MPa
Setting time (ASTM C953:87)	Initial > 1 hour Final < 10 hours
Expansion @ 28 days (GS:1992 Clause 17.59 to 17.60) (ASTM C940:89)	+1%
Flow consistency (ASTM C939:93)	10 - 30 seconds
Trowellable	
Compressive strength @ 28 days (BS 4550:78)	65 MPa
Setting time (BS 4550:78)	Initial > 1 hour Final < 4 hours
Flow consistency (BS4551:81)	30 - 45%
Volume change @28 days (ASTM C827:87)	+1.5% - +2%
Slant shear bond strength	> 2.0 MPa
All at 25°C	

All technical data stated herein is based on tests carried out under laboratory conditions.

APPLICATION GUIDELINES

Refer to our technical department for detailed information on the application of TamCrete GP.

Note: Warm water will reduce the workability time and also reduce the flow. The water content to achieve the desired consistency is as follows:

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Water Content (Temperature @30°C)		
	Consistency	
	Flowable	Trowellable
25 kg	5.2 - 5.6 litre	3.6 - 4.0 litre

Yield

The yield of TamCrete GP depends on the required consistency. The approximate yield per 25kg at each consistency is as follows:

Approximate Yield		
Weight	Flowable	Trowellable
25 kg	14 litre	12 litre

An allowance should be made for some waste when estimating yield.

PACKAGING

TamCrete GP is supplied in 25 kg heavy duty bag. Packaging size may vary subject to local regulations and requirements.

STORAGE

TamCrete GP should be stored at room temperature (min 10°C and max 38°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of six months can be expected.

HEALTH & SAFETY

TamCrete GP should only be used as directed. We always recommend that the Safety Data Sheet (SDS) is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection. The Safety Data Sheet is available upon request from your local Normet representative.