

EUNIGROUT HPG

High Performance Cementitious Grout



Product Description

EUNIGROUT HPG is a high cementitious non shrink grout, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. With a special blend of shrinkage-reducing and plasticizing/water-reducing agents, EUNIGROUT HPG contains specially graded natural aggregate and provides high strength.

Advantages

- Suitable for machine application
- High strength
- Easy to apply
- Good self levelling and smooth surface
- Non shrinkage

Uses

- Equipment baseplates
- Precast concrete panels, beams and columns
- Applications requiring high compressive strengths (100Mpa)
- Grouting thick pour applications.
- Static load grouting.
- Bridge bearing pads

Method of Use

Surface Preparation

All surfaces must be clean and sound. Remove surface laitance by acid etching or grinding. Thoroughly wet all surfaces before starting and keep in a moist condition during placing. Any free surface water must be removed before application.

Mixing

Always use a mechanical grout mixer for optimum dispersion and workability. Conventional or hand mixing will result in lower workability. DO NOT add more than the maximum water content, otherwise loss of properties will result. Mix the dry powder (PART A) and add 2.75-3.25L of water on 25 kg powder over 1-2 minutes, then add the liquid bottle (part B) and continue mixing until homogeneous mix.

Application

EUNIGROUT HPG can be placed by either gravity flow or by pump. It is essential that proper placing on the job site is practiced to ensure placement is completed without problems. Sufficient labour, grout and equipment must be present to ensure continuous placement

Gravity: Mixed grout should be poured one side of the void to avoid air entrapment. Grout is best poured over short distances to ensure this. Use a suitable header box, maintaining the grout head at all times to ensure continuous flow. To facilitate grout compaction and top plate contact, use rodding, tamping or flexible strapping in short strokes while maintaining an adequate head of grout. Do not vibrate as this will cause segregation. Any adjacent machinery or equipment causing vibration should be shut down until initial set (approx. 3 hours).

Pumping: When pumping EUNIGROUT HPG, ensure the pump is suitable for the grout consistency and for the distance and height it is to be pumped. A positive displacement pump is recommended. Place grout by pumping into the farthest corner, filling the space gradually. Ensure that air is not entrapped under the base plate

Typical properties

Appearance	Grey, granular powder
Mixed Density	2300 kg/m to 2400 kg/m Dependent on consistency
Maximum Grain Size	3 mm
Approx. Water requirement per 25kg	2.75-3.25 lit
Compressive Strength	(BS 6319, PART 2), N/mm ² / MPA
- 3 days	- 50
- 7 days	- 70
- 28 days	- 100

- Above result based on 50 x 50 mm cube @3.375 lit Water per 25 kg powder

Curing

Good curing is essential on all exposed surfaces particularly in dry, sunny conditions. Failure to do so will reduce bond, strength and durability. Alternative methods of curing can be used, such as water ponding, mist spraying, wet hessian, etc.

Packaging

EUNIGROUT HPG is supplied in 25 Kg bag
And 200 g liquid bottle.

Storage

This product must be stored in a dry place, free from moisture contact. Shelf life 6 months if stored correctly.

Health and Safety

For further information see the EUNIGROUT HPG Material and Safety Data Sheet, or consult European Concrete Additives.

Technical Service

The Technical Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

Contact Information

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