

EUNIGROUT 500 +

Rapid floor self-levelling cementitious grout



Product Description

EUNIGROUT 500 + is a premixed cementitious non shrink grout, is a one component cementitious powder blend which requires only the addition of water to form a self-levelling floor topping, is designed to give excellent flow properties, shrinkage compensation, frost resistance, and high compressive strength.

EUNIGROUT 500 + is noncorrosive, and non-oxidizing and is free of chlorides and nitrates.

Advantages

- Non segregating
- Suitable for machine application
- High strength
- Easy to apply
- Good self levelling and smooth surface
- Using it with thickness 0.5 mm to 50 mm
- EUNIGROUT 500 + has excellent flow retention and long usable life even at high ambient temperatures.
- High, non-corrosive, bonding to steel and concrete.
- High early strength characteristics for rapid return to service.
- Non-shrink maintains maximum contact with surface.

Uses

EUNIGROUT 500 + can be used in all grouting situations where shrinkage is undesirable. Typical uses are under plate grouting, space grouting, and repairs to precast concrete, bedding bearing plates, anchor bolt fixing, and cable grouting and crane rail assembly. Concrete repairs and floor toppings can also be carried out using EUNIGROUT 500 +.

Method of Use

Surface Preparation All surfaces must be clean and sound. Remove surface laitance by acid etching or grinding. Thoroughly wet all surfaces 6-24 hours 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 and add the water quantity over 1-2 minutes. Continue mixing for an additional 2-3 minutes until smooth and cohesive. As far as possible use exact and constant timings for each operation to obtain consistent results.

Application

1. Underplate Grouting

Use flowing or fluid consistency. Check that the formwork is sealed against grout leakage and that a minimum hydrostatic head of 100mm can be maintained. Ensure sufficient material is available to complete the work and obtain a continuous fill. Pour from one side only to avoid air entrapment, keeping a head on the grout to promote flow. DO NOT vibrate but rods, straps and chains can be used to aid complete filling.

2. Pumping

EUNIGROUT 500 + may be pumped using piston, ram or diaphragm type grout pumps fitted with ball valves.

Typical properties

Appearance	Grey, granular powder
Mixed Density	2100 kg/m to 2300kg/m Dependent on consistency
Approx. Water requirement per 25kg	3.5 - 4 lit
Flow Diameter Initial (mm)	550 X 600
Compressive Strength	(BS 6319, PART 2), N/mm²
- 3 days	- 50
- 7 days	- 60
- 28 days	- 70

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 500 + is supplied in 25 kg multiply paper bags.

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 500 + 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

Al-Faiha for Engineering Products
techsupport@alfaihaengineering.com
www.alfaihaengineering.com

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