

EUNIGROUT 500HD

Cementitious non-shrink grout



Product Description

EUNIGROUT 500 HD is a preblended powdered grout composed of high strength cement, graded aggregates and strength admixtures in order to achieve high strength properties. EUNIGROUT 500 HD when mixed with water is transformed into a fluid grout without segregation that is able to fill intricate spaces. EUNIGROUT 500 HD can be used in all grouting situations when shrinkage is undesirable. Typical uses are under-plate grouting, space grouting, repairs to precast concrete, bedding bearing plates, anchor bolt fixing, cable grouts and crane rail assembly.

Advantages

- EUNIGROUT 500 HD is a true nongaseous grout, free of bleeding with long stability over a wide range of temperatures and humidities.
- Factory blended and could be site blended in particular cases.
- Extremely fluid consistency for easy application in difficult access areas.
- EUNIGROUT 500 HD has excellent flow retention and long usable life even at high ambient temperatures.

Uses

EUNIGROUT 500 HD can be used in all grouting situations where concrete and earth water retaining structures are available. Typical uses are grouting in earth and concrete dams, water spillways, under water grouting etc...

Typical Properties

At an ambient temperature of 30°C and the addition of 3- 4 Liters of fresh water per 25 Kg of EUNIGROUT 500 HD grout bags, a compressive strength of around 60 N/mm² is achieved. These figures vary in various conditions depending on site variations, ambient

temperatures etc. EUNIGROUT 500 HD satisfies ASTM C 204 fineness of Hydraulic cement by air
Appearance: Dark Grey cementitious powder
Temperature: 30°C – Compressive Strength (N/mm² BS 6319, Part 2)

Days	Compressive Strength
3	48.0
7	52.0
28	60.0

Mixing

Use mechanical grout mixers for optimum dispersion and workability. Conventional or hand mixing will result in lower workability. Don't add more than the minimum 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 23 minutes until smooth and cohesive. As far as possible, use exact and constant timings for each operation to obtain consistent results.

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., but in all cases these must be maintained for at least 7 days. In hot climatic conditions, particular care should be given to curing, to achieve maximum properties and service life.

Health and Safety

For further information see the EUNIGROUT 500 HD Material and Safety Data Sheet, or consult our technical department.

Packaging

EUNIGROUT 500 HD 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.

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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