



GBGROUT AID

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Superplasticizing, Expanding Admixture for cement mixtures and concrete

GBGrout Aid Technical Specifications

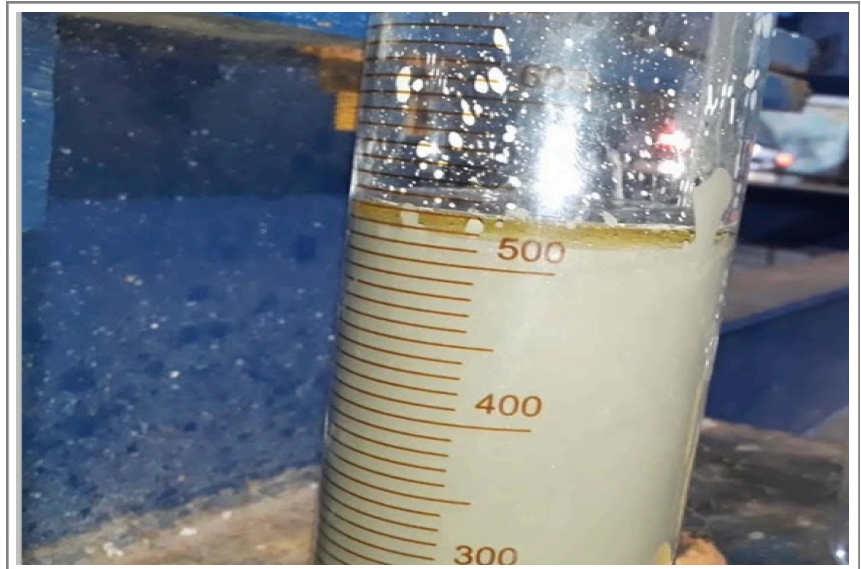
- **Appearance:** Silver, to brownish powder free of lumps
- **Mixed Density :** 2.0 ± 0.05 gm/cc.
- **Initial Setting:** has no effect on setting of cement mixtures.
- **Chloride Content :** No chlorides.
- **Standards:** ASTM C1107.
- **Material Base:** Non-Ferrous metal.

Application and Rates

- **High flowability** to ensure maximum filling ability and maximum load bearing.
- **GBGrout Aid** supplied in double layer polyethylene plastic packs weighing 20 Kg.
- **Applied easily** by adding into cement based mixtures.

Product Handling and Storage

- **Store all material in a cool, covered dry place. Do not expose the packs to direct sunlight and keep away from all sources of heat. In tropical climatic conditions, the product has to be stored in suitable environment and protected from high humidity.**
- **The shelf life of the product is 24 months in unopened condition if stored as per the recommendations. Exposure to high temperature and humidity will result in considerable deterioration of the product and reduce its shelf life.**



GBGrout Aid, the features:

- **GBGROUT AID** is an admixture for use in cementitious grouts, non shrink mortars, and concrete where a low water/cement ratio and positive expansion are required.
- It is formulated to produce high quality grouts and to increase durability while overcoming the risk of segregation, bleeding and plastic shrinkage.
- It is supplied in powder form which is based on a blend of non-ferrous metallic expanding agents, selected high range water-reducing agent (super plasticizer) and additives for improving durability.

Applications

- **GBGROUT AID is used as an admixture for cementitious grouts to improve the free-flowing properties at a low water/ cement ratio and where positive expansion is required.**
- **It can be used for grouting as general.**
- **Pre-stressed cable ducts.**
- **Rock and soil anchoring.**
- **Pre-placed aggregate.**
- **Tunnel lining.**
- **Non-shrinkage infilling and jointing.**

Health and Safety

As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

Application Procedure:

* **Mixing** Slowly add GBGrout Aid to the cement (and the amount of sand if required)

Mix continuously for 2-4 minutes using a slow speed electric drill fitted with high shear paddle, making sure that a smooth homogenous mortar or grout is obtained.

Measure the required amount of water accurately and add into the mixer.

* **Application** Areas to be grouted, or mortar applied shall be clean, and pre-wetted substrates.

-The grout or mortar shall be placed, (poured, pumped, injected, or trowled in case of grout), within 15 minutes of mixing to get optimum expansion process).

Curing:

Cover all exposed areas immediately after placing with a polyethylene sheet, or use **NanoCure** by spraying as an effective curing agent.

Cleaning Clean all tools & equipments with water immediately after use. Hardened materials can be removed mechanically only.



www.greenbuildegypt.com
info@greenbuildegypt.com
<https://www.facebook.com/GreenBuildEgypt>

Customer Service: 01050240446/ 01114544492
LandLine: 02-28607233
51 First Industrial Area Badr City, Cairo, Egypt.

