

TOP GROUT 60



High strength Non shrinkage cementitious grout

PRODUCT DESCRIPTION

TOP Grout 60 is a ready-mix and non-shrinkage cementitious grout based material with expansive additives, construction grout that can be mixed to a non-slump or pourable mix and is suitable for a wide range of projects and applications.

USES

Top Grout 60 is used where non-shrink, high-strength, structural, durable grout is required such as: precise machine bases pump, steel columns, bearing plates, precast concretes, structural columns, and anchor bolts.

ADVANTAGES

- High compressive strengths for maximum bearing capability.
- Free from any added chlorides, sulphates, nitrates and any ferrous materials.
- Easy to use requires no special mixing equipment, it can be mixed in a pail using a grout stirrer.
- Excellent adhesion to iron and concrete.
- High ultimate strength ensure the durability of the hardened grout
- Free flow ensures high level of contact with load bearing area.
- Provides a good watertight seal.
- Non-shrink Hardens free of bleeding, settlement and drying shrinkage when placed at flowable consistency.

PACKING

TOP Grout 60 is supplied in 25 kg Bags.

TECHINICAL PROPERTIES

Color & Appearance	Grey Powder
Mix Density	2.2kg/l
Application Temperature	+5 to +35°C
Compressive Strength	28 N/mm ² at 1 days 55 N/mm ² at 7 days 65 N/mm ² at 28 days
Tensile Strength	3.5 Mpa at 28 days
Flexural Strength	10 Mpa at 28 days
Pull out Bond Strength	20 N/mm ² @ 28 days
Mixing Ratio Per Bag	Approx 3.5 to 4 litres

ESTIMATING YIELD

Top Grout 60 a 25 kg bag of when mixed to a flowable consistency Add 4.0 liters water will Yield 13.3 liters grout.

STORAGE

12 Months in Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost, Empty packs completely and dispose off carefully to protect our Environment.

APPLICATION PROCEDURE

Surface Preparation: The surface to be grouted must be clean, sound and free of dust, dirt, oil, grease, curing compounds, release agents and other barrier materials. Damaged or contaminated concrete must be removed to obtain a good bond to the substrate.

PRE-SOAKING

The surface must be pre-soaked for several hours prior to grouting to reduce the porosity of the substrate. Remove excess freestanding water on the surface prior to grouting.

MIXING

TOP GROUT 60 can be mixed to a flowable or trowelable consistency. The quantity of water required to produce a flowable grout from a 25 kg bag is approximately 4.0 liters. Water addition may be affected by temperature conditions on site. Trials are recommended to determine the correct water requirement.

The mixing ratio can be varied to achieve the right consistency for the job which can vary from a stiff hand packable consistency to a flowable consistency. Always ensure that the Top Grout 60 powder is added to the water during mixing. Use an electric type mixer as hand mixing is not suitable. Allow for approximately 3 minutes of mixing to achieve optimum mix results. Should be used within 30 minutes once mixed.

CLEANING

Clean tools and equipment with water before the material hardens.

FORMWORK

The area to be grouted must be enclosed with good quality rigid watertight formwork. The formwork should be constructed with enough room to use a grout header box system. The formwork must be able to rigidly confine the Top Grout 60 until it has enough strength to be removed depending on the application. It is recommended to use an appropriate form release agent. Formwork should be flushed out just prior to application.

CURING

For all cementitious materials, curing is essential to prevent rapid drying out of the grout and shrinkage caused by the water loss. Curing should be effected by accepted methods such as curing compounds, polythene sheet, wet hessian or water ponding.

HEALTHY AND SAFETY

Confined areas must be well ventilated. Contact with the skin should be avoided as sensitive skins may be affected. In such cases the skin should be washed immediately with soap and water.

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