

EUNITILE G1

NORMAL CEMENTITIOUS GROUT FOR CERAMIC TILES

DESCRIPTION

EUNITILE G1 is a standard cementitious tile grouting compound designed for floor and wall applications. EUNITILE G1 is specifically formulated to fill joints ranging from 3 to 6 mm in width. It requires only the addition of water for easy preparation. EUNITILE G1 conforms to standard specifications, including ISO 13007-3, BS EN 13888 CG1, and ANSI A118.6.

USES

EUNITILE G1 is a versatile, general-purpose colored grout designed for use with tile joints. Its adaptability makes it suitable for various applications, providing a dependable solution for your tiling projects.

ADVANTAGES

- Crack-free jointing.
- Excellent adhesion.
- Clear, fade-resistant colors.
- Good workability.
- Shrinkage resistance.

TYPICAL PROPERTIES

Appearance: Cementitious Colored Powder

Specific Gravity: 1.6

Water Absorption:

30 min: < 5 g

240 min: < 10 g

Compressive Strength (@28 days) (ISO 13007-4, 4.1.4): > 15 MPa

Flexural Strength (@28 days) (ISO 13007-4, 4.1.3): > 2.5 MPa

Shrinkage (ISO 13007-4, 4.3): < 3 mm/m

Abrasion Resistance (ISO 13007-4, 4.4): < 2000 mm³

Pot Life: 2 hours depending on ambient temperature

Initial Setting Time : 30 min depending on ambient temperature

Final Setting Time: 2 hours depending on ambient temperature

APPLICATION

Application Conditions: Temperature should be between 5°C and 35°C.

Surface Preparation

Before grouting, ensure that the adhesive has completely dried and hardened. To prepare the surface, it is crucial to ensure that all tile joints and edges are completely free and clean of any excess tile fixing mortar and foreign matter. This step is essential to create a suitable surface for the application.

MIXING

Begin by adding approximately 6 - 7 L of water to every 20 kg of EUNITILE G1. The specific water ratio can be adjusted according to the desired consistency you need for your application.

Next, use a mixer to thoroughly blend the components until you achieve a thick and creamy consistency. After mixing, let the mixture stand for 5 minutes, and then re-stir it before you begin the application. This ensures that your grout is well-prepared and ready for use, with the flexibility to adapt the water ratio to your requirements.

Application Instructions

Begin by applying EUNITILE G1 into the joints using a rubber grout float. Ensure an even and thorough application for effective joint filling. Before the grout dries, carefully remove any excess with a moist sponge. This step is vital to attain a polished and clean finish.

Avoid applying EUNITILE G1 to an area that is too extensive to complete within a reasonable timeframe.

For porous tiles, ensure they are moistened with water within an hour of grouting.

After EUNITILE G1 has dried but before it has fully hardened, polish the tiles with a clean, dry cloth, leaving the joints flush with the tile. Around 24 hours after grouting, use a wet sponge to moisten the joints, achieving the desired finish.

For easy cleanup, promptly clean your tools and equipment with water after use. These instructions are designed to ensure a professional and successful outcome when working with EUNITILE G1.

CONSUMPTION

EUNITILE G2 consumption is dependent upon tile size and joint dimensions. It can be calculated using the formula below:

Consumption = $((A+B)*C*D*G)/(A*B)$, where

A = Tile length

B = Tile width

C = Joint width

D = Joint depth (tile thickness)

G = Specific Gravity

PACKAGING

EUNITILE G1 is supplied in 5- and 20 kg plastic bags.

STORAGE

EUNITILE G1 should be stored in a cool, dry place, away from direct sunlight and extreme heat and cold.

The Shelf life of EUNITILE G1 is 12 months from the date of production.

HEALTH AND SAFETY

For more information, please check the Material Safety Data Sheet.

CONTACT

Al-Faiha for Engineering Products is the exclusive licensee manufacturer for ECA.

For more information, please contact us at techsupport@alfaihaengineering.com.

DISCLAIMER

ECA aims to ensure the accuracy of information and recommendations in the product literature. However, due to variations in materials, substrates, and site conditions, and without control over product application, storage, weather, and usage conditions, ECA cannot be held liable for any resulting issues.