

EUNITILE G2 (H)

IMPROVED HYDROPHOBIC CEMENTITIOUS TILE GROUT WITH HIGH ABRASION RESISTANCE AND REDUCED WATER ABSORPTION, SUITABLE FOR JOINTS WIDTHS UP TO 10 MM

DESCRIPTION

EUNITILE G2 (H) is an improved hydrophobic cementitious tile grout with high abrasion resistance. It is a high-performance, polymer-fortified, water-repellent unsanded Portland cement grout that delivers dense and durable grout joints.

This exceptional grout is designed for use in submerged areas and swimming pools, requiring only the addition of water for easy preparation.

USES

EUNITILE G2 (H) is a versatile grout designed for a range of applications:

- It is well-suited for use in submerged areas and swimming pools, where its water-repellent properties help minimize the chances of efflorescence
- Additionally, it is suitable for general use in wet and dry areas, including walls, floors, kitchens, and bathrooms
- EUNITILE G2 (H) works with all types of tiles and covers joint widths up to 10 mm

ADVANTAGES

- Water-repellent, minimizing the chances of efflorescence
- Excellent adhesion
- Clear, fade-resistant colors
- Easy to apply with good workability
- Shrinkage resistant, free of cracks
- High abrasion resistance
- Reduced water absorption

STANDARD

EUNITILE G2(H) complies with the following standards: ISO 13007-3 and BS EN 13888 CG2 (AW), as an improved cementitious grout with high abrasion resistance and reduced water absorption, ANSI A118.6.

TYPICAL PROPERTIES

Appearance	Colored Powder
Specific Gravity	1.676
Water Absorption	30 min. < 2 g 240 min. < 5 g
Pot Life	3- 4 Hours
Shrinkage (ISO 13007-4, 4.3)	< 3 mm/m
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
Abrasion Resistance (ISO 13007-4, 4.4)	< 1000 mm ³
Initial Setting Time	1 Hour
Final Setting Time	3 Hours

Note : Pot life properties are depending on weather conditions.

APPLICATION

surface preparation

To prepare the surface, ensure that all tile joints and edges are thoroughly cleaned, free from any excess tile fixing mortar, and free from any foreign matter, Before grouting, ensure that the adhesive has completely dried and hardened.

This crucial step ensures a clean and suitable surface for the application.

MIXING

To ensure a proper mixing, a mechanically powered mixer or drill should be used.

Add (1.750 - 1.875) litres of fresh water for the 5 Kg bags, The specific water ratio can be adjusted according to the desired consistency you need for your application.

Mixing should be done by using a mixer until you achieve a thick and creamy consistency.

After mixing, let the mix stand for 5 minutes , and then re-stir it before the application. This ensure that your grout is well prepared and ready for use.

Note: Adding extra water will cause defects and instability in colors of the tile grout, weak the joints, cause surface discolouration, promote the formation of cracks.

APPLICATION INSTRUCTIONS

To apply EUNITILE G2 (H) tile grout, begin by using a rubber grout :

- Apply EUNITILE G2 (H) into the joints using a rubber float or spatula
- Remove excess grout with a moist sponge before drying
- Do not apply EUNITILE G2 (H) to an area which is so large that it cannot be completed Within an hour
- Porous tiles should be moistened with water before grouting
- Before EUNITILE G2(H) has dried and hardened, polish the tiles with a clean, dry cloth leaving the joints flush with the tile
- Around 24 hours before grouting, use a wet sponge to moisten the joints achieving the desired finish
- For easy cleanup, immediately clean all the tools and equipment with water

CONSUMPTION

EUNITILE G2(H) consumption is dependent upon tile size and joint dimensions.

It can be calculated using the formula below:

$$\text{Consumption (m}^2\text{/Kg)} = (0.7(A*B)) / S*D*G (A+B)$$

where:

A = Tile length (m)

B = Tile width (m)

S = Joint width (m)

D = Joint depth (tile thickness) (m)

G = Specific Gravity (Kg/m³)

PACKAGING

EUNITILE G2 (H) is supplied in 5 kg and 20 kg bags.

STORAGE:

EUNITILE G2 (H) should be stored in a cool, dry place, away from direct sunlight and extreme heat and cold. The shelf life of EUNITILE G2 (H) is 12 months from the date of production.

HEALTH AND SAFETY

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

CONTACT

For information regarding the licensee or manufacturer for ECA, 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.