



Vetofill CG551

Polymer modified hygienic cementitious tile grout for hospitals & clinics

Uses

- Antimicrobial tile grout for hygienic areas.
- Health-related construction tiling such as kitchens, hospitals, clinics, health centers, and food processing plants.
- Filling tile joints virtually all types of tiles up to 10 mm.
- Wet areas such as kitchens, bathrooms.

Product Description

Vetofill CG551 is a single component cement-based polymer modified anti-microbial and water-resistant tile grout used with most types of tiles, including ceramic, porcelain, glass mosaic, marble, granite,...etc. The product is composed of a blend of cement, special additives, and selected fillers. Once mixed with water, the product becomes an easily workable creamy mortar. The product is suitable for internal and external use and contains special biocides that kill biological agents and prevent bacterial and algae growth.

Advantages

- Anti-microbial properties do not support the growth of microbes, algae, and fungi.
- Easy to apply a single component.
- Excellent mechanical and physical properties.
- High bond strength.
- High abrasion resistance.
- Low water permeability.
- Suitable for internal and external applications.
- Suitable for use on horizontal and vertical tile applications.
- Low VOC environmentally friendly Product.
- Extreme stain resistance properties.

Standards Compliance

- BS EN 13888: CG2AW
- ISO 13007: CG2AW
- ANSI A108.10, ANSI A118.7

Technical Data

Vetofill CG551	Typical Values @ 25°C
Appearance	Colored Powder
Fresh Wet Density (kg/ltr)	≈ 1.85
Joint Width (mm)	2 - 6 (1)
Pot Life (Hours)	1.5
EN12004 Classification	CG2 AW
Abrasion Resistance (mm ³)	< 200
Flexural Strength (N/mm ²)	> 5
Flexural Strength after Freeze-Thaw Cycles. (N/mm ²)	> 4
Compressive Strength (N/mm ²)	≥ 40
Compressive Strength after Freeze-Thaw Cycles. (N/mm ²)	> 20
Shrinkage (mm/m)	< 3
Water Absorption after 30 min (gm)	< 1
Water Absorption after 240 min (gm)	< 3
VOC (gm/ltr)	< 10

(1) Joint width filling can be increased up to 10 mm. by adding vetobond PB434 by partial replacement of 1 Liter of the mixing water.

Usage Instructions

Surface Preparation

Remove all tile adhesive excess that is at a level higher than half of the tile thickness.

All the joints should be free from dust, loose materials & traces of foreign materials, etc. Neutralize the tiles' water absorption by applying clean potable water.

Do not leave water pooling in the joints.

Mixing

Add 6 - 7 Liters of fresh, clean water to a suitably sized mixing vessel. Slowly add the powder component while mixing using a mixer fitted with a Saveto suitable paddle until achieving a uniform, lump-free consistency. Important Note: Do not mix partial quantities unless an exact proportion based on volume can be achieved using proper tools.

If performance enhancement is required, add 0.5 liters of Vetobond PB434 to the mixing water, followed by powder's addition.

Do not add water to the mixture once the mortar grout starts to harden.

Application

Spread the mixed grout diagonally across the tile joints and firmly press it with a rubbing pad covered with a sponge rubber spatula to ensure filling all the gaps.

Remove excess grout that remains on tiles using the same tool.

After the grout initially dries, from 20-30 minutes, depends on the ambient temperature & humidity, clean the tiles and remove all excess material with a wet sponge. After full drying, clean the surface of the tiles with a dry cloth or dispensable cotton towels.

When washing & drying the tiles, ensure not to rub the tile joints too deep.

Keep the grout moist for the first 2 days after application to ensure achieving good hardened properties.

For further information regarding the suitable substrates and tiles on which this product can be safely applied, please contact Saveto technical department.

Legal Disclaimer

Saveto endeavors to ensure that any advice, recommendations, information it may give is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products because it has no direct or continuous control over where or how its products are applied, whether or not following any advice, specification, recommendation, or information given by us. Saveto has the right to change any of the technical datasheets specifications upon its discretion without prior notification.

Hard copies of TDSs are printed once or twice a year. Our technical data sheets are continuously updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

Cleaning

Clean tools and equipment with water immediately after use. Hardened materials will require removal by mechanical means.

Packaging & Coverage

Product	Pack Size	Consumption
Vetofill CG551	20 kg Bag	Walls: 0.3-0.5 kg/m ² @ 3mm. Floors: 0.5-0.8 kg/m ² @ 5mm.

Stated consumption data are for general guidance. Actual consumption depends on the nature of the substrate, method of application, and wastages.

Consumption is according to joints depth and width and the size of tiles. Accurate quantity of consumption can be calculated using following formula:

Formula: $[(A+B)/(A \times B)] \times W \times D \times 1.85 = \text{Kg./m}^2$

W= width of joint (mm.)

D = tile thickness (mm.)

A = tile length (mm.)

B = tile width (mm.)

Shelf Life & Storage

The original sealed bag of Vetofill CG551 has a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place below 35°C.

Health & Safety

Vetofill CG551 is highly alkaline; therefore, avoid direct contact with eyes or skin. It is recommended to use protective gloves and goggles during application. Any skin contact should be washed with soap and water. In case of eye irritation, immediately wash with a copious amount of clean cold water. Seek medical advice.

Vetofill CG551 is non-flammable.

For further information, please refer to the material safety data sheet.

Additional Information

Saveto manufactures a wide range of construction chemicals and specialty products for various applications.

For further information on these products and systems kindly check our website or contact your local Saveto representative.