



Vetoset CA542

Antimicrobial and cementitious tile adhesive (for health-related construction projects)

Uses

- For areas demanding ultra-hygienic materials (such as hospitals, clinics, and industrial kitchens).
- Laying most tile types (including marble, granite, natural stone, glass mosaic, and porcelain).
- Tile over tile applications and with heated screeds.

Product Description

Vetoset CA542 is a normal, cementitious, thin-bed tile adhesive that works with most types of tiles. The product is composed of a blend of cement, carefully selected aggregates, special additives, and polymers that provide with its unique properties (slip resistance and extended open time). Vetoset CA542 is suitable for internal and external application, it also contains special biocides that prevent the growth of bacteria and algae.

Advantages

- Easy to apply (a single component).
- Used internally and externally.
- High bond strength to a variety of tiles.
- Antimicrobial (hinders the growth of microbes, algae, or fungi).
- Superior workability.
- Water and weather resistance.
- Suitable for horizontal and vertical surfaces.

Standards Compliance

- BS EN 12004 as C1TE
- SASO ISO 13007-1 as C1T

Technical Data

Vetoset CA542	Typical Values @ 25°C
Appearance	White Powder
Aggregate Size	1.35 max
Wet Density (kg/ltr)	1.45 ± 0.1
Application Thickness (mm)	3 - 10
Pot Life (Hours)	3
SASO ISO13007-1 Classification	C1 TE
Tensile Adhesion Strength @ 28 Day SASO ISO 13007-2 (N/mm ²)	≥ 0.9
Tensile Adhesion Strength after water immersion - SASO ISO 13007-2 (N/mm ²)	> 0.7
Tensile Adhesion Strength after Heat Aging - SASO ISO 13007-2 (N/mm ²)	> 0.5
Tensile Adhesion Strength after Freeze-Thaw cycle - SASO ISO 13007-2 (N/mm ²)	> 0.5
Slip Resistance (mm)	0.0
Open Time @ 20 min (N/mm ²)	> 0.5
Adjustability (Minutes)	10 - 15
VOC (gm/ltr)	< 25
Minimum application Temperature (°C)	5

Usage Instructions

Surface Preparation

The substrate should be sound, clean, free from loose material, grease, laitance, dirt, curing compounds, or any other substance that might impair the bond's quality with the substrate.

Cure concrete, hollow blocks, and cement-based substrates sufficiently by irrigating them with water 1 hour before the application.

Mixing

Add 7 - 8.75 liters of water (for each 25kg bag of Vetoset CA542) into a container. Add the powder to the water and mix using a low-speed electric drill fitted with a suitable paddle until a uniform and lump-free consistency is achieved. Allow the mixed material to stand for about 10 minutes then remix briefly without adding any more water.

Application

Apply a thin layer of the adhesive onto the substrate using the flat edge of a trowel. Comb the adhesive using a suitable notched trowel to achieve a 2 - 5 mm bed thickness. Press the tiles firmly to ensure full contact with the adhesive.

Note: It is always better to work in a manageable area that can be tiled within the adhesive's open time.

Leave the tiled surfaces for 24 hours before grouting. Contact Saveto's technical department for more information regarding the suitable substrates & tile types on which this product can be safely applied.

Cleaning

Clean tools and equipment with water immediately after use. Remove hardened material mechanically.

Packaging & Coverage

Product	Pack Size	Yield
Vetoset CA542	25 kg Bag	22.5 liter wet/ 25 kg bag

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

Shelf Life & Storage

The original sealed bag of Vetoset CA542 has a shelf life of 12 months, provided it's stored clear off the ground, in a dry and shaded place, and at a temperature below 35°C.

Health & Safety

Vetoset CA542 is highly alkaline; therefore, avoid it coming in direct contact with your eyes or skin. It is recommended to use protective gloves and goggles during the application process. 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 and seek medical attention. Vetoset CA542 is non-flammable. For more information, 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.

Legal Disclaimer

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