



Vetoset CA542

Antimicrobial cementitious tile adhesive for health related construction

Uses

- For use in Hygienic areas such as hospitals, clinics, and industrial kitchens.
- Laying most tiles types, including marble, granite, natural stone, glass mosaic, and porcelain.
- Tile over tile applications & with heated screeds.

Product Description

Vetoset CA542 is a cement-based thick-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 Vetoset CA542 with its unique properties. The product is suitable for internal and external use and contains special biocides that prevent bacterially and algae growth.

Advantages

- Easy to apply a single component.
- Used internally and externally.
- High bond strength to a variety of tiles.
- Antimicrobial, does not support the growth of microbes, algae, or fungi.
- Superior workability
- Water & weather resistance.
- Suitable for horizontal as well as vertical surfaces.

Standards Compliance

- BS EN 12004:2010 as C1TE
- SASO ISO13007-1 as C1TE

Technical Data

Vetoset CA542	Typical Values @ 25°C
Appearance	White Powder
Aggregate Size	1.35 max
Wet Density	1.45 ± 0.1Kg/Liter
Application Thickness	3 to 10 mm
Pot Life	150 minutes
Adjustability	10 - 15 minutes
VOC	< 25 gm/Liter
SASO ISO13007-1 Classification	C1 TE
Compressive Strength @ 28 day (ASTM C109)	≥ 7.5 MPa
Flexural Strength @ 28 day (ASTM C348)	≥ 2.5 MPa
Tensile Adhesion (Bond Strength) @ 28 day SASO ISO13007-2	≥ 0.9 MPa
Minimum application temperature	5°C

Usage Instructions

Surface Preparation

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

Concrete, hollow blocks, and cement-based substrates must be sufficiently cured and irrigated by water 1 hour before application.

Mixing

Add to the mixing container 7-8.75 liters of water for each 25kg bag of Vetoset CA542. Add the powder to the water and mix for 3-4 minutes using a low-speed electric drill fitted with a suitable paddle until achieving a uniform, lump-free consistency. Allow the mixed material to stand for about 10 minutes and remix briefly without adding further water.

Application

Apply a thin layer of the adhesive onto the substrate using the flat edge of the trowel. Comb the adhesive with a suitable notched trowel horizontally to achieve a 2 - 5 mm bed thickness. Place the tiles with firm pressure to ensure proper contact with the adhesive.

It is always better to work in a manageable area tiled within the adhesive's open time. Leave the tiled surfaces for 24 hours before grouting.

Cleaning

Clean tools and equipment with water immediately after use. Remove the hardened material using mechanical means.

Packaging & Coverage

Product	Pack Size	Yield
Vetoset CA542	25 Kg Bag	5.5-6.5m ² / bag

Stated consumption data are for general guidance. Actual consumption depends on the nature of 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 is stored clear of ground in a dry, shaded place below 35°C.

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Health & Safety

Vetoset CA542 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.

Vetoset CA542 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 divided into the following product groups:

- Waterproofing Systems.
- Concrete Repairs & Grouts.
- Flooring Systems.
- Wall & Facade Systems.
- Sealants and Joints.
- Renders & Finishes.
- Plasters & Masonry.
- Tiling Systems
- Primers & Ancillary Products.
- Thermal Insulation Systems.
- Protective Coatings.
- Accessories.

Saveto also provides various technical information such as CAD details, detailed method statements, specification clauses, application manuals, product selectors and technical support both in contractors and consultants offices as well as construction sites.

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