



# 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 types of tile including marble, granite, natural stone, glass mosaic and porcelain.
- Tile over tile applications & with heated screeds.
- Laying on flexible substrates as well as dry walls (gypsum and cement boards)

## Product Description

Vetoset CA542 is a cement based thick-bed tile adhesive that works with most types of tiles and flexible substrates. The product is composed of a blend of cements, carefully selected aggregates, special additives and polymers that provide Vetoset CA542 with its unique properties. The product is suitable for internal as well as external use and contains special biocides that kill biological agents as well as preventing bacterial and algae growth.

## Advantages

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

## Standards Compliance

- BS EN 12004:2010 as C1TE
- ISO13007: 2010 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
EN12004 Classification	C1 TE
Compressive Strength @ 28 day (ASTM C349)	≥ 7.5 MPa
Flexural Strength @ 28 day (ASTM C348)	≥ 2.5 MPa
Tensile Adhesion (Bond Strength) @ 28 day (EN 1348)	≥ 0.9 MPa
Minimum application temperature	5°C

## Usage Instructions

### Surface Preparation

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

Concrete, hollow blocks and cement based substrates must be sufficiently cured and irrigated by water 1 hour prior to application. Gypsum boards, plaster boards, anhydrite screeds, must be sufficiently dry and free from dust. These substrates must be primed with Vetobond AB432.

### Mixing

Add to the mixing container 6-6.5 liters of water for each 25 Kg bag of Vetoset CA542. Add the powder to the water and mix with a mechanical mixer or low speed heavy duty electric drill fitted with a suitable paddle for 3-4 minutes, until a uniform, lump-free consistency is achieved.

### 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 bed thickness of 2 - 5 mm. Place the tiles with firm pressure to ensure proper contact with the adhesive.

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

### Cleaning

Tools and equipment can be cleaned with water immediately after use. Hardened materials will require removal by mechanical means.

## Packaging & Coverage

Product	Pack Size	Yield
Vetoset CA542	25 Kg Bag	18 Liters

## Shelf Life & Storage

Original sealed container of Vetoset CA542 has a shelf life of 12 months provided it is stored clear of ground in a dry shaded place below 25°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 eyes irritation, immediately wash with copious amount of clean cold water. Seek medical advice.

Vetoset CA542 is non-flammable.

For further information, please refer to 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:

- Concrete Repair, Grouts and Enhancement.
- Wall & Facade Systems.
- Flooring and Coating Systems.
- Sealants and Joints.
- Building & Finishing Materials.
- Tiling Systems
- Waterproofing.
- Primers & Ancillary Products.
- Specialty Products.

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.