



# Vetoset CA541

Thickbed cementitious tile adhesive.

## Uses

- Laying tiles with irregular backing to cementitious substrates.
- Laying tiles on irregular substrates.
- Laying of large heavy tiles such as natural stone over a variety of substrate conditions.
- Where thick bed is needed
- For Granite, Marble, and Artificial Stone flooring.

## Product Description

Vetoset CA541 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 CA541 with its unique properties. The product is suitable for internal as well as external use.

## Advantages

- Easy to apply single component.
- High bed thickness.
- Used internally and externally.
- High bond strength.
- Suitable for use with underfloor heating systems.

## Standards Compliance

- BS EN 12004:2010 as C1
- ISO13007: 2010 as C1

## Design Considerations

- Do not apply at temperature below 5°C.
- For heavy traffic areas, it is good practice to back butter the tile back surfaces with the adhesive to ensure 100% coverage.
- For large format and heavy tiles where the weight of the tiles cannot be supported by the adhesive, the installation method shall follow a bottom-up approach, and If more than two rows of tiles are to be fixed simultaneously, the tiles are to be mechanically supported using temporary anchor nails in between tile gaps or by using inclined support stud.

## Technical Data

Vetoset CA541	Typical Values @ 25°C
Appearance	White or Grey Powder
Wet Density	1.75 Kg/Liter
Application Thickness	4 to 20 mm
Pot Life	100 minutes
Adjustability	20 minutes
VOC	< 25 gm/Liter
EN12004 Classification	C1
Compressive Strength @ 28 day (BS EN 196-1)	>13 MPa
Bond Strength @ 28 day (BS EN 1348)	> 1.0 MPa

## 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.

## Mixing

Add to the mixing container 10-11 liters of water for each 50 Kg bag of Vetoset CA541. 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. Vetobond AB432 can be used to enhance the performance of the product and reach S2 classification.

## Application

Apply a 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 4- 20 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 CA541	50 Kg Bag	36 Liters

## Shelf Life & Storage

Original sealed container of Vetoset CA541 has a shelf life of 12 months provided it is stored clear of ground in a dry shaded place below 25°C.

## Health & Safety

Vetoset CA541 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 CA541 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.

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