



# Vetoset CA545

Polymer modified two component cementitious deformable tile adhesive (C2TE S2)

## Uses

- Highly flexible tile adhesive for demanding applications.
- Laying most types of tile including marble, granite, natural stone, glass mosaic and porcelain.
- Laying of large format heavy tiles in internal and external applications.
- Tile over tile applications & with heated screeds.

## Product Description

Vetoset CA545 is a two component cement based professional grade highly deformable 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 CA545 with its unique properties. The product is suitable for internal as well as external use including submerged conditions such as swimming pools and water reservoirs.

## Advantages

- Easy to apply dual component.
- Highly deformable.
- High water resistance.
- Suitable for tiling on tile applications.
- Withstands vibrations and thermal variations.
- Used internally and externally.
- High bond strength.
- Suitable for use with underfloor heating systems.
- Immersed and wet areas tiling.

## Standards Compliance

- BS EN 12004:2010 as C2TE S2
- ISO13007: 2010 as C2TE S2
- BS EN 196-1:1995
- TCNA recommendations for use with large tile formats.

## Technical Data

Vetoset CA545	Typical Values @ 25°C
Appearance	Grey or White Powder
Wet Density	1.6 Kg/Liter
Application Thickness	2 to 6 mm
Pot Life	75 minutes
VOC	> 25gm/Liter
EN12004 Classification	C2TE S2
Compressive Strength @ 28 days BS EN 196-1:1995	11 MPa
Flexural Strength @ 28 days BS EN 196-1:1995	1.5 MPa
Tensile Adhesion Strength @ 28 days BS EN 1348	2 N/mm <sup>2</sup>
Open time @ 20 min BS EN 1346	1.5 N/mm <sup>2</sup>

## 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.

### Mixing

Add to the mixing container the 7 liters liquid part of Vetoset CA545 to 20Kg bag of Vetoset CA545. Add the powder to the liquid 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 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.

Note: The thickness of the adhesive bed is directly proportional to the size and thickness of the tile.

### 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 CA545	27 Kg Kit	14 Liters
(20 Kg bag and 7 Liter container)		

## Shelf Life & Storage

Original sealed container of Vetoset CA545 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 CA545 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 CA545 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.
- Plasters & Renders.
- Putties & Finishes.
- 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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