



# Vetoset CA545

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

## Uses

- Highly flexible tile adhesive for demanding applications.
- Laying most tiles types, 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 tiles and flexible substrates. The product is composed of a blend of cement, carefully selected aggregates, special additives, and polymers that provide Vetoset CA545 with its unique properties. The product is suitable for internal and 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
- SASO ISO13007-1 as C2TE S2
- 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	60 minutes
VOC	> 25gm/Liter
SASO ISO 13007-1 Classification	C2TE S2
Compressive Strength @ 28 days BS EN 196-1	11 MPa
Flexural Strength @ 28 days BS EN 196-1	1.5 MPa
Tensile Adhesion Strength @ 28 days SASO ISO 13007-2	2 N/mm <sup>2</sup>
Open time	30 minutes

## 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 the quality of bond with the substrate.

Concrete, hollow blocks, and cement-based substrates must be sufficiently cured and irrigated by water 1 hour before application. Gypsum boards, plasterboards, 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 achieving a uniform, lump-free consistency.

### 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 - 6 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 adhesive's open time. Leave the tiled surfaces for 24 hours before grouting.

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

### Cleaning

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

## Packaging & Coverage

Product	Pack Size	Yield
Vetoset CA545	27 Kg Kit	14 Liters
(20 Kg bag and 7 Liter container)		

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

## Shelf Life & Storage

Original sealed bag & container of Vetoset CA545 have a shelf life of 12 months provided it is stored clear of ground in a dry, shaded place below 35°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 eye irritation, immediately wash with a copious amount of clean cold water. Seek medical advice.

Vetoset CA545 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.

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