



Vetaset CA545

Cementitious tile adhesive (Polymer-modified, two-component, and deformable) (C2TE S2)

Uses

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

Product Description

Vetaset CA545 is a two-component, cement-based, professional-grade, and highly deformable tile adhesive. The versatile product works well with most tile types and flexible substrates. And is composed of a blend of cement, carefully selected aggregates, special additives, and polymers (These give the product its unique properties). Vetaset CA545 is suitable for internal and external uses (including submerged conditions such as swimming pools and water reservoirs).

Advantages

- Easy to apply (dual components).
- Highly deformable.
- High water resistance.
- Suitable for tiling on tile applications.
- Withstands vibrations and thermal variations.
- Can be used internally and externally.
- High bond strength.
- Suitable for use with underfloor heating systems.
- Ideal for tiling immersed and wet areas.

Technical Data

Vetaset CA545	Typical Values @ 25°C
Appearance	Grey or White Powder
Mixed Density (kg/liter)	1.7
Application Thickness (mm)	2 - 6
Pot Life (Hours)	2
VOC (gm/liter)	< 25
Compressive Strength @ 28 days BS EN 196 (MPa)	11
Flexural Strength @ 28 days BS EN 196	1.5
Tensile Adhesion Strength @ 28 day (N/mm ²) (SASO ISO 13007)	2
Open Time (Minutes)	30

Standards Compliance

- BS EN 12004 as C2TE S2
- SASO ISO13007 as C2TE S2
- TCNA recommendations for use with large tile formats.

Usage Instructions

Surface Preparation

The substrate should be sound, clean, and free from loose material, grease, laitance, dirt, curing-compounds (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 with water 1 hour before application. Gypsum boards, plasterboards, anhydrite screeds must be sufficiently dry and free from dust.

Mixing

Add the 7 liter liquid part of Vetoset CA545 and the 20 kg bag to a mixing container. Add the powder to the liquid then mix with a mechanical mixer or a 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 a trowel. Comb the adhesive with a suitable notched trowel to achieve a bed thickness of 2 - 6 mm. Then place the tiles and press them firmly 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 tiled surfaces for 24 hours before grouting.

Note: The adhesive bed's thickness is directly proportional to the size and thickness of the tile. Contact Saveto's technical department for more information regarding the suitable substrates and tile types on which this product can be safely applied.

Cleaning

Clean tools and equipment with water immediately after use. Remove hardened material mechanically.

Legal Disclaimer

Saveto endeavors to ensure that any advice, recommendations, information it may give is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products because it has no direct or continuous control over where or how its products are applied, whether or not following any advice, specification, recommendation, or information given by us. Saveto has the right to change any of the technical datasheets specifications upon its discretion without prior notification.

Hard copies of TDSs are printed once or twice a year. Our technical data sheets are continuously updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

Packaging & Coverage

Product	Pack Size	Yield
Vetoset CA545	27 kg kit	15 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

The original sealed bag and container of Vetoset CA545 have a shelf life of 12 months, provided they're stored clear off the ground, in a dry and shaded place, and at a temperature below 35°C.

Health & Safety

Vetoset CA545 is highly alkaline; therefore, avoid direct contact with your eyes or skin. It is recommended to use protective gloves and goggles during the application process. Any skin contact should be washed with soap and water. In case of eye irritation, immediately wash with a copious amount of cold water and seek medical attention. Vetoset CA545 is non-flammable.

For more information, refer to the material safety data sheet.

Additional Information

Saveto manufactures a wide range of construction chemicals and speciality products for various applications.

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