



# Vetoset CA544

Specialty polymer modified cementitious adhesive for glass blocks and glass mosaic tiles.

## Uses

- As an adhesive for glass block.
- As an adhesive for glass mosaic tiles.
- Bed and gap thickness of 5 to 10 mm.
- Internal and external applications.

## Product Description

Vetoset CA544 is a special mortar composed of high performance hydraulic binders, synthetic resins, carefully selected fillers and special additives. It is supplied as a dry powder in pre-weighed bags ready to use on site which only require the addition of clean water to produce a creamy paste with thixotropic properties. Vetoset CA544 is specially formulated for sealing glass blocks and installation of glass tiles. Vetoset CA544 does not contain asbestos fibre or other toxic materials.

## Advantages

- Single component, it requires only addition of water, easy to mix & apply.
- Excellent physical & mechanical properties.
- Water resistant.
- Extended open time, adjustability time, making installation easier.
- Excellent resistance to yellowing.
- Suitable for interior & exterior applications.
- Excellent resistance to staining.

## Standards Compliance

- BS:EN 12004 as type C2TE S1.
- ISO 13007 as type C2TE S1.
- ASTM C348 & C349

## Technical Data

Vetoset CA544	Typical Values @ 25°C
Appearance	White Powder
Water Demand	28-32%
Application Thickness	2 to 8 mm
Open Time	30 minutes @ 23°C & 50% RH
Adjustability	≥ 20 minutes @ 23°C & 50% RH
VOC	< 25 gm/Liter
EN12004 Classification	C2TE S1
Compressive Strength @ 28 day (ASTM C349)	≥ 12 MPa
Flexural Strength @ 28 day (ASTM C348)	≥ 2.7 MPa
Tensile Adhesion (Bond Strength) @ 28 day (EN 1348)	≥ 1.2 MPa
Mixed Density:	1.55 Kg / Liter
Minimum application temperature:	5°C

## Usage Instructions

### Surface Preparation

The surface should be sound, clean free from loose material etc. Horizontal surfaces must be leveled and vertical sides should be perfectly plumb-in or secured in order to guarantee a perfect alignment of glass blocks. The support must be solid, compact, free from loose parts, dust and greasy substances.

### Mixing

For the preparation of mortar adhesive, pour into a container 5.6- 6.4 liters of water for each 20 Kg bag of Vetoset CA544. Add the powder to the water and mix with a low speed electric drill fitted with a suitable paddle for 4-5 minutes, until a uniform, lump-free consistency is achieved. Allow the mixed material to stand for about 10 minutes and remix briefly with no further water to be added.

It can also be blended manually for small quantity but ensure correct amount of powder to water is maintained.

Mixed material can be used within 60 minutes at 25 degrees C.

Do not try to remix or add water to the mixture once the mortar adhesive starts to harden. If the material starts to harden.

### Application

Apply Vetoset CA544 with a trowel, then position the glass blocks in the opening. Use special molder to verify the glass block alignment. Remove the excess of mortar before it hardens.

For Gap filling, compact the product using a smooth rubber spatula. Let the product harden for about 10 minutes, after that clean the surface using a damp sponge. When the product is well hardened, clean it with a dry rag.

### 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 CA544	20 Kg Bag	16 Liters

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

## Shelf Life & Storage

Original sealed container of Vetoset CA544 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 CA544 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 & water. In case of eyes irritation, immediately wash with copious amount of clean cold water. Seek medical advice.

Vetoset CA544 is non-flammable.

## 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.

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