



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.
- 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 requires clean water to produce a creamy paste with thixotropic properties. Vetoset CA544 is specially formulated for sealing glass blocks and the installation of glass tiles. Vetoset CA544 does not contain asbestos fiber or other toxic materials.

Advantages

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

Standards Compliance

- BS:EN 12004 as type C2TE S1
- SASO ISO 13007-1 as type C2TE S1

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
Adjustability	≥ 15 minutes
VOC	< 25 gm/Liter
SASO ISO 13007-1 Classification	C2TE S1
Compressive Strength @ 28 day (ASTM C109)	≥ 8 MPa
Flexural Strength @ 28 day (ASTM C348)	≥ 2 MPa
Tensile Adhesion (Bond Strength) @ 28 day SASO ISO 13007-2	≥ 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. Level the horizontal surfaces and ensure that the vertical sides are perfectly plumb-in or secured to guarantee a perfect glass block alignment. The support must be solid, compact, free from loose parts, dust, and greasy substances.

Mixing

To prepare mortar adhesive, pour into a container 5.6-6.4 liters of water for each 20kg 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 achieving a uniform, lump-free consistency. Allow the mixed material to stand for about 10 minutes and remix briefly without adding further water.

Blend Premium Project Fix manually for small quantities and maintain the correct amount of powder to water.

Use the mixed material within 60 minutes at 25 degrees.

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

Application

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

For Gap filling, compact the mixture by 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 cloth.

Cleaning

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

Packaging & Coverage

Product	Pack Size	Yield
Vetoset CA544	20 Kg Bag	16 Liters

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

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Shelf Life & Storage

The original sealed bag of Vetoset CA544 has a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place below 35°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 eye irritation, immediately wash with a copious amount of clean cold water. Seek medical advice.

Vetoset CA544 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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