



Vetoset CA544

Polymer-modified and cementitious adhesive.

Uses

- As an adhesive for glass blocks and glass mosaic tiles.
- For internal and external applications.

Product Description

Vetoset CA544 is a cementitious adhesive that's composed of high-performance hydraulic binders, synthetic resins, carefully selected fillers, and special additives. As a product, it is supplied as a dry powder in pre-weighed bags that are ready to use on-site (this only requires adding clean water to produce a creamy special mortar (paste) with thixotropic properties, improved characteristics, and slip resistance). 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 the addition of water and is easy to mix and apply).
- Excellent physical & mechanical properties.
- Water-resistant.
- Excellent resistance to yellowing.
- Suitable for interior and exterior applications.
- Excellent resistance to staining.

Technical Data

Vetoset CA544	Typical Values @ 25°C
Appearance	White Powder
Water Demand (%)	30 - 34
Wet Density (kg/liter)	1.55
Application Thickness (mm)	2 - 8
Pot Life (Hours)	2.5
SASO ISO13007-1 Classification	C2 T
Tensile Adhesion Strength @ 28 day SASO ISO 13007-2 (N/mm ²)	≥ 1.2
Tensile Adhesion Strength after water immersion - SASO ISO 13007-2 (N/mm ²)	≥ 1.2
Tensile Adhesion Strength after Heat Aging - SASO ISO 13007-2 (N/mm ²)	≥ 1.0
Tensile Adhesion Strength after Freeze-Thaw cycle - SASO ISO 13007-2 (N/mm ²)	≥ 1.0
Slip Resistance (mm)	< 0.2
Open Time @ 20 min (N/mm ²)	≥ 0.6
Adjustability (Minutes)	≥ 15
VOC (gm/liter)	< 25
Minimum Application Temperature (°C)	5

Standards Compliance

- BS EN 12004 - 1 as type C2 T
- SASO ISO 13007-1 as type C2 T

Usage Instructions

Surface Preparation

The surface should be sound, clean, and free from loose material. Level 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 a mortar adhesive from Vetoset CA544, pour 6 - 6.8 liters of water (for each 20kg bag) into a container. Add the powder to the water then mix with a low-speed electric drill fitted with a suitable paddle until a uniform & lump-free consistency is achieved.

Allow the mixed material to stand for about 10 minutes then remix briefly without adding more water. Blend Vetoset CA544 manually for small quantities but make sure to maintain the correct ratio of powder:water. Use the mixed material within 2.5 hours minutes (at 25°C).

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

Application

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

For gap filling, compact the mixture 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. 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.

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 the substrate, method of application, and wastages.

Shelf Life & Storage

The original sealed bag of Vetoset CA544 has a shelf life of 12 months, provided it's stored clear off the ground, in a dry and shaded place, and at a temperature below 35°C.

Health & Safety

Vetoset CA544 is highly alkaline; therefore, avoid it coming in 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 clean cold water and seek medical attention.

Vetoset CA544 is non-flammable.

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

Additional Information

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

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

Legal Disclaimer

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