



Vetobond AB432

Cement modifier & bonding agent (Acrylic & polymer-based)

Uses

- Enhancement of renders, floor toppings, and plasters
- As a primer for bonding cementitious repair materials (Vetorep range).
- As a primer for renders and plasters (on fair faced concrete and gypsum boards).
- As a curing membrane (ready to receive further cementitious renders by re-priming).

Product Description

Vetobond AB432 is an acrylic, polymer-based bonding agent & cement modifier designed to be used as a bonding aid, curing agent, and to gauge liquid for cementitious systems. The product is resistant to hydrolysis & can therefore be used for external applications. Vetobond AB432 is a milky liquid that first turns purple when applied on concrete then becomes clear once it dries. It can be applied directly from the bottle or pail onto concrete substrates using a brush, roller, or spray.

Advantages

- Adhesive bond to concrete will always exceed the tensile strength of the host concrete.
- Suitable for use on damp & dry concrete.
- Environmentally friendly, water-based, odorless, and non-flammable.
- Resistant to hydrolysis (can be used externally and internally).
- High mechanical properties (allows thin section applications).
- Excellent bond to concrete, masonry, stonework, plaster, and cement boards.
- Cost effective
- Suitable for the conditions of the MENA region.

Standards Compliance

- ASTM C1059, as Type II (Non-redispersible).
- ASTM C309, as Type 2 (White pigmented), Class B (Resin).

Technical Data

Vetobond AB432	Typical Values	
Color & Appearance	Milky Liquid	
voc (g/L.)	< 15	
Drying Time (Hours)	24	
Density @ 25°C (Kg/L)	1 Approx.	
Chloride Content	Nil	
Mix Enhancement	Result	Control
Compressive Strength (BS6319)	38 N/mm ²	27 N/mm ²
Tensile Strength (EN13286)	6 N/mm ²	3 N/mm ²
Flexural Strength (BS6319)	12 N/mm ²	10 N/mm ²
Adhesion to Concrete (BS6319)	1.6 N/mm ²	1.3 N/mm ²
Curing Efficiency - ASTM C309 (%)	> 65	

Limitations

Vetobond AB432 mortars, toppings, and renders should not be used when the temperature is below 5°C and falling. Neither should they be exposed to moving water during application. Exposure to heavy rainfall before the final set may result in surface scouring.

Usage Instructions

Surface Preparation

Clean all surfaces and remove any dust, unsound material, plaster, oil, paint, grease, corrosion deposits, or algae. Roughen the surfaces, and remove laitance and expose aggregates by light scabbling or grit-blasting.

Expose corroded steel fully in the repair area & remove all loose scale and corrosion deposits. Clean the steel to a bright condition (pay extra attention to the back of the exposed steel bars). Grit-blasting is recommended for this process.

Application of Bonding Aid

Thoroughly soak the substrate with clean water (and remove any excess) before working. Scrub Vetobond AB432 into the substrate. Avoid puddling and remove any excess.

Apply the repair mortar or topping while the primer is still tacky.

Mix Design

A suitable mix design for a patching repair mortar or render:

OPC	50 Kg
Sharp Sand # 60	150 Kg
Vetobond AB432	10 Kg
Water	Enough to give workable consistency

Curing

Cure the repair mortar or topping using Vetobond AB432 to prevent rapid loss of water. In severe drying conditions, additional curing methods may be necessary. Protect uncured mortar from frost and rain.

Cleaning

Remove Vetobond AB432 from tools, equipment, and mixers with clean water immediately after use. Cured material can only be removed mechanically.

Legal Disclaimer

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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	Consumption
Vetobond AB432	5, 20, & 200 L. Container	3-6 m ² /ltr. (as a primer)

Shelf Life & Storage

The original sealed container of Vetobond AB432 has a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place. and at a temperature below 35°C.

Health & Safety

Cementitious mortars & slurries modified with Vetobond AB432 contain cement powders that release alkalis (which can be harmful to the skin when mixed or become damp).

During use, avoid inhalation of dust and contact with your skin and eyes. Wear suitable protective clothing, gloves, eye protection, and respiratory protective equipment. The use of barrier creams provides additional skin protection.

In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. In case of contact with your eye, rinse immediately with plenty of clean water and seek medical attention. If swallowed, seek medical attention immediately – do not induce vomiting. Refer to the product Material Safety Data Sheet for more information.

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.