



Vetobond AB432

Acrylic polymer cement modifier & bonding agent

Uses

- Enhancement of renders, floor toppings and plasters
- As a primer for bonding cementitious repair materials (Vetorep range of products).
- 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 and cement modifier that is designed to be used as a bonding aid, curing agent and gauging liquid for cementitious systems. It is resistant to hydrolysis and can therefore be used for external application. Vetobond AB432 is a milky liquid that first turns purple when first applied on concrete then becomes clear once it dries, its applied directly from the bottle or pail to the concrete substrate by brush, roller or spray.

Advantages

- Adhesive bond to concrete will always exceed the tensile strength of the host concrete.
- Suitable for use on damp and dry concrete.
- Environmentally friendly water-based odorless and non-flammable.
- Resistant to hydrolysis, 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 use in MENA region conditions.

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 prior to the final set may result in surface scour.

Technical Data

Typical improvements when using Vetobond AB432 mortar with 3:1 sand cement mortar.

Vetobond AB432		Typical Values		
Appearance		Milky liquid		
Density @ 25°C		1 kg/Ltr approx.		
Chloride content		Nil		
Mix Enhancement	Curing Condition	Result	Control	
Compressive Strength BS6319 (N/mm ²)	Dry	38	30	
	Wet	28	27	
Tensile Strength EN13286 (N/mm ²)	Dry	6	3	
	Wet	3.5	3.2	
Flexural Strength BS6319 (N/mm ²)	Dry	10	4.5	
	Wet	6	5	
Adhesion to Concrete BS6319 (N/mm ²)		Dry	20	2.5
Curing Efficiency (ASTM C309)		>65%		

Usage Instructions

Surface Preparation

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

Expose fully any corroded steel in the repair area and remove all loose scale and corrosion deposits. Steel should be cleaned to bright condition paying particular attention to the back of the exposed steel bars. Grit-blasting is recommended for this process.

Application of Bonding Aid

The substrate should be thoroughly soaked with clean water with any excess removed prior to commencement of the works. Scrub Vetobond AB432 into the substrate, avoid puddling and remove any excess. The repair mortar or topping should be applied whilst 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 Liters
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

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

Packaging & Coverage

Product	Pack Size	Coverage
Vetobond AB432	5 & 20 Liter Containers	7 m ² /L as a primer 6 m ² /L as a curing aid

Shelf Life & Storage

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 below 35°C.

Health & Safety

Cementitious mortars and slurries modified with Vetobond AB432 contain cement powders which, when mixed or become damp, release alkalies which can be harmful to skin.

During use, avoid inhalation of dust and contact with skin and eyes. Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment. The use of barrier creams provide additional skin protection. In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. In case of contact with eye, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately – do not induce vomiting.

Refer to Material Safety Data Sheet for further information.

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