

MIXBOND PVA

Bonding agent, admixture for cement and mortar



the construction chemist...

Introduction

Mixbond PVA is a polyvinyl acetate latex emulsion which is a multipurpose adhesive, surface sealer, admixture and bonding agent. This is a perfect admixture for cement to reinforce its bonding strength and has a wide range of applications

Appropriation

Concrete / mortar admixture
Recommended where permanent dampness occurs
Surface sealer and bitumen primer
Bonding agent for render, repair concrete, floor topping
An effective primer prior to certain decorative coating

Characteristics

Bonding agent for cement screeds, render, mortar and concrete
Used as an integral bonding agent within cementitious system
Reduce water contents and improve adhesion to substrates
Multipurpose application, economical, easy to use
Tenacious adhesive properties
User friendly and quick drying

Technical Data & Properties

Standards conforms	BS 5270
Appearance	White color
Specific gravity	1.00 at 25 °C
pH	6- 8
Chloride content	Nil
Flammability	Non-flammable
Dry Film Nature	Tough



Product Management

Dosage rates: Laboratory trials followed by site trials should always be conducted to decide the optimum dosage of Mixbond PVA . As a general guide, the following are the dosages under various application situations

Admixture: Mixbond PVA improves quality of mortar application, increases the mechanical strength of screeds, reduces shrinkage and has perfect adhesion even on smooth concrete. For maximum bond strength, add Mixbond PVA @ 5liters /100kg of cement

Bitumen Primer: Stops bleeding of bitumen coating. Here, the surfaces are primed with Mixbond PVA diluted with equal parts of water. This will form an efficient barrier that may be safely topped with most oil-base paints.

Bonding new concrete to old: Mixbond PVA ensures that the substrate is stable, sound and thoroughly clean and free from oil, grease and any adhering material. Apply a sealing coat of Mixbond PVA diluted with four parts of clean water and allow drying. Apply a bonding coat of Mixbond PVA diluted with an equal volume of water and lay the new concrete while this coat is still tacky
Screed

For thin crack free floor screed (normal to heavy duty), Mixbond PVA, 20 litres to 30 litres/100kg cement is recommended as a standard dosage
Application: For uneven surfaces or gaps to be filled, Mixbond PVA is diluted with equal amount of water to obtain a paste with plaster, cement or with fine sand. Such paste can be applied as An adhesive for plaster boards, polystyrene tiles etc. to ceiling and walls. If the bonding surface is more porous, add 3 times the amount of water to Mixbond PVA and prime the surface



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As a bonding agent for screeds, plaster and rendering, the surface should be sound and free from all unwanted materials, such as oil, grease, paint etc. Sealing of the surface is done with 1 part Mixbond PVA with 3 parts of water. Then apply the bonding coat (1:1) and render screed or plaster normally. The same method is used to bond new concrete to old.

Packing & Storage

Note: Do not use below 5°C
Over trowelling has to be avoided
Always follow the mixing ratio and instructions

Coverage

20 litres to 30 litres/100kgs cement in 140 - 150ltr/m³ (as an admixture for mortar)
Ratio 1:1- 01 litre/20m²
Ratio 1:3 – 01 litre/35m²
Render coat: 10 -15ltr / 100kg cement
Curing occurs within 3 - 7 days.

Packing & Storage

Up to 12 months in manufacturer's sealed containers stored in a cool dry place and away from high temperature. Available in 20kg and 200kg container. Reseal the container after use and ensure product is stored as instructed on the label

Health & Safety

As with all chemical products, caution should always be exercised, such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. For more details, please refer to the MSDS released on each PyChem product

Technical information given in this data sheet is true and exact to the best of our knowledge, laboratory upshot and hand-on application. The data sheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of publishing is as in this sheet. All data are mean of numerous tests, assessment and analysis conducted under laboratory ambience. Climatic disparity in temperature, humidity and porosity of substrate may impinge on values



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