

# ULTRABOND PVA

## Multi-Purpose PVA Bonding Agent

### Description

**ULTRABOND PVA** is a water base specially modified poly-vinyl acetate polymer which designed for use in buildings as a general-purpose adhesive, additives to concrete, plasters and as a universal admixture bonding agent.

**ULTRABOND PVA** may also be used as a primer, sealer coat, dust proofer and wall paper adhesive.

### Features & Benefits

- Economical and easy to use
- Improves adhesion and bonding properties.
- Improves workability, strength and abrasion resistance
- Reduces shrinkage, cracking and improves flexibility
- Reduce permeability.
- Increase flexural strength

### Uses

- General-purpose bonding agent for plaster and renders.
- Admixture for concrete repair mortars
- Act as surface bonding primer between old and new concrete.
- As dust proofing coating
- Tiles fixing with the traditional method
- General-purpose adhesive for wall paper, cement boards, roofing felt, etc.
- Admixture for screeds and other cement flooring products.
- Act as a top coat curing compound on cementitious mortars.

### Technical Properties

Appearance	Milky White Liquid
Density	1,050 Kg/m <sup>3</sup> approx.
pH @ 25 °C	7.5 - 8.0
Bonding Strength	>1.0 N/mm <sup>2</sup>
MFFT	14-15 °C
Flammability	None

Service Temperature	-5 °C to +80 °C
Toxicity	None

All values are subject to 5-10% tolerance

### Standards Compliance

- BS 5270
- ASTM C1059 type I

### Application Procedures

#### Surface preparation:

All surfaces should be sound, free from laitance, oil, grease and surface water. Before the application of a bonding slurry surfaces of high suction should be thoroughly dampened. Preparation of the surface can be achieved using mechanical scrubbling or grit blasting to give a clean fresh exposed surface.

### Application Instructions:

#### Cement Rendering on Smooth Concrete:

Make a conventional dry mortar. Mix 1 volume ULTRABOND PVA with 2 or 3 volumes of water, with this solution mix the mortar to the required workability of a rendering mortar. Key coat is made of (water + ULTRABOND PVA) at ratio 1 : 3.

#### Cement Screed Underlay Key Slurry:

Mix ULTRABOND PVA and water 1 : 2 in volume. Use this solution to prepare a slurry with cement and coarse sand in the proportion of 1 cement : 1 sand by weight. Apply slurry on the slab uniformly with a brush or trowel.

#### Topping Mortar:

Mix ULTRABOND PVA and water in the proportion 1 : 3 in volume. From this solution prepare an earth moist mortar for the screed.

Apply the screed mortar on the wet slurry to the required thickness, before the slurry dries up.

Strongly float the screed on the slurry while still wet and level the surface.

### **Surface Sealing for Porous & Dusting Concrete Sub-Floors:**

Mix 1 part of ULTRABOND PVA with 5 parts of water, apply 2 coats of the solution and when dry, a final coat of a solution prepared by mixing 1 part of ULTRABOND PVA with 3 parts of water must be applied.

### **Minor Repair Work:**

Mix mortar (1 part cement with 1 part sand) with a solution consisting of 1 part ULTRABOND PVA and two parts of water, and apply with a trowel (use fine sand).

### **Plaster Bonding:**

Seal the surface by applying a bonding coat (1 PVA with 1 water) then apply the plaster on to the tacky surface.

## **Packaging**

**ULTRABOND PVA** is available in 20 Lt J. Can and 200Ltr Drum.

## **Storage**

Keep the product in dry and sheltered place at temperature between +5°C to +35°C. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

## **Health and Safety**

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

For further information or particular use, contact SBI Technical Department.

## **Quality & Care**

All products produced in SBI facilities are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001 & ISO 14001.

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