

# MEGABOND PVA

## Polyvinyl Acetate General Purpose Bonding Agent

### Description:

MEGABOND PVA general purpose re-wettable bonding agent, best used when delayed timing is necessary to place new concrete, stucco, plaster or cementitious repair mortars to existing concrete and masonry surfaces. MEGABOND PVA seals and improves the bond by producing a flexible and re-wettable film.

MEGABOND PVA can also be used as a sealer coat to seal coat to seal gypsum or other porous substrates.

### Uses:

MEGABOND PVA is used as:

- Bonding agent for plaster.
- Additive for plaster mixes.
- A coat on top of repair products to act as a curing compound.
- Bonding primer between old and new concrete.
- Can be used as a dust proofer.
- Can work as a general purpose adhesive for cement boards, cork, roofing felt etc.

### Advantages:

- Improves adhesion and bonding.
- Improves workability, strength and abrasion resistance.
- Reduces shrinkage and cracking and improves flexibility.
- Allows reduction in water content.

### Instructions for Use:

#### Surface Preparation:

Surface should be sound, free from laitance, oil, dust, grease etc. In case of hard or deep contamination, surface should be cleaned by the use of mechanical scrubbing or grit blushing to reach a fresh clean exposed concrete surface.

For screed flooring application, substrates should be saturated with water to avoid possible absorption of water from the mix. Always apply bonding slurry to the substrate before pouring the screed. This will act as an anchorage bonding between the floor screed and the substrate. Ensure that the screed is poured while the bonding slurry is still fresh.

For concrete repair, be sure to remove all the damaged parts to ensure a sound substrate. Steel reinforcement should be protected using LAVAFER or LAVAZINC EP as protection against rust.

#### Mixing:

MEGABOND PVA is ready for direct use. The product can be diluted with water depending on application requirements. For further information contact MATEX technical department.

#### Application:

##### Cement Rendering on Smooth Concrete:

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

##### Cement Screed Underlay Key Slurry:

Mix MEGABOND PVA and water 1:2 in volume. Use this solution to prepare a slurry with cement and coarse sand in proportion of 1:1 weight. Mortar will be proportioned at 500 Kg/m<sup>3</sup> cement. Apply slurry on the slab uniformly with a brush.

##### Topping Mortar:

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

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

Mix 1 part of MEGABOND 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

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MEGABOND 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 MEGABOND PVA and two parts of water, and apply with trowel (use fine sand).

## Plaster Bonding:

Seal the surface by applying a bonding coat then apply the plaster on to the tacky surface.

## **Standards:**

MEGABOND PVA conforms to:

- ASTM C-1059, TYPE 2
- BS 5270

<b>TECHNICAL PROPERTIES:</b>	
Appearance	: Milky liquid
Density	: 1.03 Kg/Lt.
Flammability	: Non flammable
pH	: 6.5

## **Coverage:**

8 – 10 m<sup>2</sup>/coat/liter

## **Packaging:**

MEGABOND PVA is supplied in 20 liter jenkins and 200 liter drums.

## **Storage Conditions:**

Store in original packing in dry conditions away from direct sunlight and high humidity levels.

## **Cleaning:**

Clean all tools with water prior to full drying of product

## **Shelf Life:**

MEGABOND PVA can be utilized within 12 months of production date if stored in proper conditions in unopened original packing.

## **Cleaning:**

Clean all tools with water prior to full drying of product.

## **Health and Safety:**

- Use goggles and gloves during application. Do not breathe vapor of products.
- Avoid contact with eyes or skin.
- In case of eye contact, flush thoroughly with plenty of water and seek immediate medical help.

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This technical data sheet is not considered as local building codes. It shall be used as general reference for the product, based on our current knowledge and experience. However the company do not accept any liability arising from the use of its products as it has no direct control on how and where the product is applied.

