

MEGABOND PVA

Polyvinyl Acetate General Purpose Bonding Agent

Description:

MEGABOND PVA is a multi-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 gypsum or other porous substrates.

Uses:

MEGABOND PVA is used as:

- Bonding agent for plaster.
- Admixture for plaster mixes.
- A coat on top of repair products to act as a curing compound.
- Bonding agent for cementitious plasters over concrete masonry units, cast in place concrete, gypsum, wall board etc.
- Can be used as a dust proofer.
- Can work as a general purpose adhesive for cement boards, cork, roofing felt etc.

Advantages:

- Economic and simple to use.
- 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/m³ 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 MEGABOND PVA with 3 parts of water must be applied.

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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:

- ASTM C-1059, TYPE 1
- BS 5270

TECHNICAL PROPERTIES	
Appearance	Milky liquid
Density	1.02 ± 0.03 kg/lit
Flammability	Non flammable
pH @ 25°C	4.5-6.5

*Values indicated may vary depending on the environment and conditions of the material. Figures given are tested according to standard laboratory conditions.

Coverage:

MEGABOND PVA as a surface applied bonding agent covers 8-10 square meters per liter, depending on porosity and substrate conditions.

*Coverage rate is an approximate value, and subject to actual site conditions.

Packaging:

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

Storage Conditions:

Store in original packing in dry conditions away from direct sunlight. Damaged packaging, high humidity or extreme temperatures may reduce the shelf life. Store between 10°C to 30°C.

Shelf Life:

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

Cleaning:

Clean all tools with water prior to full drying of product. Hardened materials can only be removed mechanically.

Health and Safety:

- Avoid contact with eyes and skin. Wear suitable protective clothing such as coveralls, goggles, dust mask and gloves. Use barrier cream. Ensure that there is adequate ventilation. Do not breathe vapour or spray mist.

FIRST AID:

- Eyes: In the event of accidental splashes, flush with warm water and seek medical advice.
- Skin: Wash skin thoroughly with soap and water
- Inhalation: Remove to fresh air, keep patient rested
- Ingestion: Do not induce vomiting. Seek immediate medical attention.

For further safety information, please refer to MEGABOND PVA Material Safety Data Sheet.

MATEX Rev.03-1221

MATEX warrants that its products are free from material and manufacturing defects. Instructions on how to use the product should be strictly followed to ensure effectivity and safe use. MATEX shall not be liable either directly or indirectly for any damages to personal, equipment or products that may occur as a consequence of the failure of any products application because it has no direct or continuous control over where or how its products are applied. It is the user's responsibility to acquire always the updated version of datasheets.

