

Shieldbond PVA

Multi-purpose, PVA-based Bonding Agent and Sealer



Description

Shieldbond PVA is a multi-purpose, bonding agent, adhesive, and sealer based on Polyvinyl Acetate, designed to provide excellent adhesion characteristics to cement and concrete mixes.

Uses

- Multi-purpose adhesive and bonding agent.
- Improves the adhesion strength of concrete mixes.
- Can be used as an admixture to enhance adhesion, tensile and flexural strength.
- To increase the durability of cement-based materials.
- Can be used as a surface sealer.
- As a primer coat for cement-based floor toppings, polymer-modified floor screeds, and subsequent application of acrylic-based materials such as coatings and waterproofing.

Characteristics / Advantages

- Single component, ready to use.
- Improves the durability of cement-based mixes.
- Excellent adhesion and compatibility with concrete and cement-based materials.
- Improves mechanical properties such as compressive, flexural, tensile, and adhesion strength.
- Excellent as a dust proofer and sealer.
- Easily applied by brush, roller, or sprayer.
- Versatile and economical.

Packaging

Shieldbond PVA is supplied in 5-L and 20-L Jerrycans.

Shelf Life and Storage

Shieldbond PVA has a shelf life of 12 months when stored in its original unopened packaging in cool and dry conditions, protected from direct sunlight, heat, and moisture. Shelf life may be reduced if the recommended storage conditions are not followed.

Typical Properties

Appearance / Color	Milky white emulsion
Specific Gravity @ 23°C	1.02 ± 0.02
Viscosity	~ 20 Poise
pH	8 – 9

Application Instructions

1. Surface Preparation

The substrate must be sound and clean from dust, oil, grease, loose material, surface contamination, and materials that may reduce bond. Laitance must be removed by mechanical means. Steel substrates shall be free from rust or oxidation.

2. Mixing*

	Primer/ Sealer	Bonding Agent	Adhesive	Admixture
Shieldbond PVA	1	1	1	20-30 L
Clean Water	-	-	-	-
OPC Cement	-	-	1	100 kg
Clean Sand	-	-	6	-

*By volume

3. Application

As a Primer/ Sealer/ Dustproofers:

Shieldbond PVA is applied as a primer coat and allowed to become tacky, then apply another coat.

As a Bonding Agent/ Adhesive:

Shieldbond PVA is applied over the substrate. Apply to the prepared side of the substrate and press against the other side while the coat is still tacky (10 – 20 minutes).



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4. Cleaning

All mixing equipment and application tools should be cleaned immediately with clean water. Hardened material should be mechanically removed.

Coverage

5 – 8 m2 per L.

Safety Instructions

Avoid contact with the eyes and skin. In case of direct contact with the skin, wash the affected area immediately with water for several minutes. If it comes into contact with the eyes, rinse immediately with lukewarm water for at least 15 minutes and get medical advice or treatment if any emergency warning signs appear. For further information, refer to the Material Safety Data Sheet.

Technical Support

Refer to technical information, method statement, or contact technical support team for any inquiry.

Address: Manaseer Group, 8th Circle, King Abdullah II St. 302
P.O. Box 925988 Amman, 11110, Jordan

Phone +962 6 5800600
Fax. +962 6 5833890

Email: info.shield@manaseer-ic.com
Website: www.manaseergroup.com

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