

SOLBOND PVA

Surface Adhesive, Primer, Sealer & Admixture



Solbond PVA is a Multi Purpose PVA adhesive, bonding agent & admixture.

- Primer and Sealer for Concrete & Plaster
- Building Adhesive.
- Not suitable for exterior use.

Colour	Product Code	Container Size
White	SOLBONDPVA5	5 Litres
	SOLBONDPVA25	25 Litres
	SOLBONDPVA210	210 Litres



SOLCEM - Building Chemicals & Admixtures

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Product Description

Solbond PVA is a medium viscosity, polyvinyl alcohol stabilized, externally plasticised, vinyl acetate homopolymer. Contains no harmful phthalates. It has been designed specifically for use in the building industry as a general purpose bonding agent, and additive for concrete and plasters and as a multi-use adhesive. Solbond PVA meets the bond strength requirements of BS5270.

Typical Uses

- As an adhesive for most common building materials
- As a bonding agent for cement screeds and render, plaster and concrete
- As an admixture for mortar / in cements/ sand and granolithic screeds: Solbond PVA enables thin, jointless floor toppings to be laid.
- As a sealing coat - Applied to porous concrete renders, plaster, plasterboards and granolithic floors as a sealer, Solbond PVA minimises dusting.

Features & Benefits

- Greatly improved adhesion to a wide range of substrates including dense concrete, glass, steel, tiles etc.
- Mixes may be applied in much thinner sections resistance to salt permeation.
- Reduced surface dusting of concrete
- Improves flexibility of sand cement products.
- Reduced water/cement ratio for workability
- Improved frost resistance
- Reduces surface porosity of mortar/plaster

Application

As an adhesive:

On smooth, flat surfaces, coat both faces with Solbond PVA diluted with an equal volume of water. Allow to become tacky then press together. When bonding smooth wood to wood, apply a thin coat of neat Solbond PVA to one face only and press together firmly. On large areas, such as laminated plastic, clamping or weights may be required until the bond is set (usually after 24 hours, depending upon surface porosity).

Dilution Rate

As a sealer coat: 1 part Solbond PVA to 4 parts water. As a bonding coat: dilute 3 parts Solbond PVA to 1 part water and apply after application of a 1: 4 sealer coat.

Note: Allow the sealer coat to dry prior to the application of the bonding coat. On totally non-absorbent surfaces, such as polished grano, etc. the sealer coat may be omitted. If surfaces to be bonded are very porous, first prime with 1 part Solbond PVA diluted with 3 parts clean water and allow to dry.

Bonding New Concrete to old

Ensure that the substrate is stable, sound, thoroughly clean and free from oil, grease and any loosely adhering material. Apply a sealing coat and allow to dry. Apply a bonding coat and lay the new concrete while this coat is still tacky. To ensure maximum bond strength, add 1.25 - 2.5 litres of Solbond PVA per 50Kg bag of cement.

As a bonding agent for cement screed and renderings, plaster etc.

The background must be sound since the adhesion of the mortar to the floor, wall or ceiling will only be as good as the surface beneath. Carefully examine the surface and remove all flaking and cracking plaster etc. The surface must be stable and sound, thoroughly clean, and free from oil and grease. Seal the surface allow this to dry, then apply a bonding coat. Screed, plaster or render on the tacky bonding coat using established sound practice.

As a surface sealing coat:

To seal highly porous and badly dusting concrete or granolithic subfloors, apply 2 coats of Solbond PVA diluted at the rate of 1 part Solbond PVA to 4 parts water and a final coat diluted 1 part Solbond PVA to 3 parts water. Allow each coat to dry before proceeding.

Health & Safety

The product is non hazardous, normal hygiene standards should be observed. Material to washed from skin with water before drying. See separate Health and Safety sheet.

Technical Data	
Viscosity @23°C	120-200 poise
pH	4.5 - 5.5
Min Film Forming Temp	Approx 2°C
High Temp Stability (50°C)	Stable
Specific Gravity	1.07