SIKABOND PVA+ 2.5LT

General purpose economic adhesive, sealer and mortar improver.

Buy SIKABOND PVA+ 2.5LT at

SIKA - SPC SUPPLIES
Waterproofing Supplies:
https://www.spcsupplies.com/shop/waterproofing/

Admixtures and Building Chemical Supplies:

Flooring and wall finishing Supplies:

Adhesives, Sealants and Filler Supplies:

Wood Preservative Supplies:
https://www.spcsupplies.com/shop/wood-preservatives/

Sika Concrete Repair Products and Concrete Protection Products:

Partner Links:
SD Sealants - https://www.sdsealants.co.uk/
Bettamix Concrete Manchester - http://www.bettamixconcretemanchester.co.uk
Concrete Chemical Admixtures - http://www.concretechemicaladmixtures.com
**DESCRIPTION**

Sikabond 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.

Sikabond PVA+ meets the bond strength requirements of BS5270, "Polyvinyl acetate (PVAC) emulsion bonding agents for internal use with gypsum building plasters".

**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 equivalent workability
* Improved frost resistance
  * Reduces surface porosity of mortar/plaster

Universal polyvinyl acetate (PVA) adhesives or bonding agents find wide use in the building industry. The areas of use are generally non-specialised, however, there is a requirement to meet BS5270 "Polyvinyl acetate bonding agents for internal use with gypsum modified plasters".

Sikabond PVA+ meets the requirements of the Universal PVA market and can be used in a similar fashion to other phthalate plasticised PVA emulsions and visually appears no different.

Sikabond PVA+ contains an environmentally acceptable non-phthalate ester plasticiser to enable low temperature film formation and confer film flexibility.
BONDING AGENT REQUIREMENTS

(a) Fulfilment of the requirements detailed in BS5270

(b) Does not contain a phthalate ester plasticiser

(c) Good selling properties

(d) Effectiveness as a general purpose wood adhesive

(e) Compatibility with cement and gypsum

(f) Goods adhesion to concrete

(g) Excellent high and low temperature stability

SIKABOND PVA+ MEETS ALL OF THE ABOVE REQUIREMENTS
AREAS FOR USE

- As a general purpose adhesive for wood, cork, paper, textiles etc.
- As an admixture for mortar/screeds/renders.
- As a bonding agent for screeds/renders to difficult substrates.
- As a primer/sealer in tiling applications.
- As an internal filler when mixed with wood shavings, plaster etc.

LIMITATIONS

- Not suitable for external applications
- As a wood adhesive, do not use as an externally or for load bearing applications.

SURFACE PREPARATION

All surfaces must be clean, dry and free from grease.

APPLICATIONS

PRIMING AND SEALING

Where the emulsion is to be used on porous substrates (old concrete, plaster, plasterboard etc.), it should be diluted 4 parts water : 1 part emulsion to seal the surface in preparation for further coating.

BONDING

SIKABOND PVA+ can be used to bond plaster and cement renders/repair compounds.

To bond plaster, the emulsion should be diluted 3 parts emulsion : 1 part water and brushed onto the surface to be plastered. Fresh plaster should be applied before the emulsion dries.

The bond strength of the plaster to the substrate meets the requirements outlined in BS5270 (Plaster bonded to glass).

To bond cementitious renders or repair compounds, two methods of use can be considered.

i) Small areas:- mix PVA with an equal amount of water and add this to the mortar/concrete mix (the emulsion exhibits excellent compatibility with cement).

When added to a concrete/mortar mix, PVA will improve adhesion and also tensile/flexural strength of the cured concrete in a similar way to conventional PVA bonding agents.

ii) Larger areas:- dilute the emulsion, 3 parts emulsion :
1 part water and brush onto the surface to be coated/ repaired. Apply a normal concrete mix before the emulsion dries.

**WOOD WORKING**

PVA will bond wood in similar fashion to conventional bonding agents.

The emulsion should be used neat in woodworking applications. In laboratory test, wood failure was observed in joints constructed with PVA.

In common with conventional PVA bonding agents, Sikabond PVA+ should not be used for load bearing applications. Alternative emulsions that conform to BS4071 "Specification for PVA Wood Adhesives" should be used for these applications.

**STORAGE STABILITY**

PVA exhibits excellent stability at high storage temperatures. After 1 weeks storage at 50°C no significant changes in viscosity were observed.

**GENERAL PURPOSE ADHESIVES**

Sikabond PVA+ can be used to stick paper, cardboard and other similar porous substrates.
### SPECIFIC DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Solids (%)</td>
<td>32-36%</td>
</tr>
<tr>
<td>Viscosity @ 23°C Poise mPa.s</td>
<td>70 - 150</td>
</tr>
<tr>
<td>pH</td>
<td>4.5 - 5.5</td>
</tr>
<tr>
<td>Minimum Film Forming Temperature (°C)</td>
<td>Approx 2</td>
</tr>
<tr>
<td>High Temperature Stability (1 week @ 50°C)</td>
<td>Stable</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.07</td>
</tr>
</tbody>
</table>

### PERFORMANCE AS A BONDING AGENT

**BS5270 PERFORMANCE**

| SIKABOND PVA+ | PASS |

<table>
<thead>
<tr>
<th>Property</th>
<th>SIKABOND PVA+</th>
<th>Competitive 41% TSC (DiBP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Solids +/-1%</td>
<td>36</td>
<td>41</td>
</tr>
<tr>
<td>Viscosity (5/20-23°C)/ Poise</td>
<td>120 to 200</td>
<td>100 - 150</td>
</tr>
<tr>
<td>Film Appearance</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>Water Spotting</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Manual Abrasion</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Wet Film Strength</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>Cement Compatibility</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>MFFT/°C</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Viscosity stability 1 week @ 50°C % change 6/20</td>
<td>-12</td>
<td>-12</td>
</tr>
</tbody>
</table>
HEALTH AND SAFETY

Consult MSDS for full list of hazards.

STORAGE

To ensure safe storage of Sikabond PVA+, containers should be well sealed to prevent evaporation of water and the formation of skin on the surface. The emulsion must be stored at a temperature above freezing. A temperature of 5-25°C is recommended. Higher temperatures will affect quality and cause the formation of crusts and skins, especially if the containers are not tightly closed or subjected to direct sunlight for long periods. If these conditions cannot be met, please refer to our Technical Service Department who will advise on storage stability.

SHELF LIFE

Minimum of 12 months in original unopened containers.

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired.

Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application.

Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product.

Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions.

The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.