

PRODUCT DATA SHEET

SikaBond® PVA+

Multi-purpose bonding agent, primer, sealer and admixture

PRODUCT DESCRIPTION

SikaBond® PVA+ is a medium viscosity, polyvinyl alcohol stabilized, externally plasticised, vinyl acetate homopolymer. Contains no harmful phthalates.

SikaBond® PVA+ is an ideal primer and sealer for concrete and plaster. It has been designed specifically for use in the building industry as a general purpose, quick drying bonding agent for concrete and cement. It also acts as a mortar improver and admixture for screeds and renders.

USES

- As a general purpose adhesive for wood, cork, paper, textiles, cardboard and other similar porous substrates.
- As an admixture for mortar, screeds and renders.
- As a bonding agent for plaster, cement screeds and render to sound surfaces such as concrete, stone and brick.
- As a primer and sealer before plastering, painting or in tiling applications.
- As an internal filler when mixed with wood shavings, plaster etc.

PRODUCT INFORMATION

Packaging	500 mL – Plastic Bottle 1 L, 2.5 L, 5 L and 25 L - Jerry Can
Appearance / Colour	White liquid.
Shelf Life	12 months from date of manufacture when stored according to manufacturer's instructions in original, tightly closed containers.
Storage Conditions	Store in cool, dry conditions. Between +5 and +25 °C. Protect from

CHARACTERISTICS / ADVANTAGES

- Highly effective and simple to use building adhesive.
- Reduces surface porosity of mortar/plaster.
- Greatly improved adhesion to a wide range of substrates including dense concrete, glass, steel, tiles etc.
- Mixes may be applied in much thinner sections with improved resistance to salt permeation.
- Reduced surface dusting of concrete.
- Improves flexibility of sand cement products.
- Improved frost resistance.
- Quick drying.
- Total solids 32 to 37 %
- Minimum Film Forming Temperature -2 °C to +5 °C

APPROVALS / STANDARDS

Conforms to the bond strength requirements of BS 5270: Part 1 :1989, "Polyvinyl acetate (PVAC) emulsion bonding agents for internal use with gypsum building plasters".

Classified as a D2 wood adhesive under EN 204:2016.

frost. Storage outside these parameters will dramatically reduce shelf life.

Density	approx. 1.07 g/cm ³
pH-Value	4-6

APPLICATION INFORMATION

Consumption	High Suction surfaces, Neat; 1 litre per 8.56m ² . Low Suction surfaces, Neat; 1 litre per 5.7m ² . As a sealer or primer diluted 1:3; 1 litre per 5.7m ² . Consumption will vary dependent upon surface porosity.
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VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LIMITATIONS

- Internal use only. For external application use SikaBond® Waterproof PVA or SikaBond® SBR.
 - As a wood adhesive, do not use externally or for load-bearing applications.
- It is the user's responsibility to determine suitability of use. If in doubt, please contact Technical Services department for advice.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Ensure the surface is dry, clean, free from dirt, dust and grease or loose material.

Always agitate SikaBond® PVA+ before use.

APPLICATION METHOD / TOOLS

Apply using a brush, roller or spreader, and always use clean water.

General Bonding:

- When used neat, SikaBond® PVA+ will bond most common building materials providing one surface is porous. The emulsion should be used neat in woodworking applications and conforms to a D2 bond strength under the EN 204:2016 standard.

Sealing and priming:

Apply to the clean surface with 1 part SikaBond® PVA+ to 3 parts water and allow this to dry. Coverage rate: 5.7 m²/L.

Dust proofing:

Apply 1 part SikaBond® PVA+ to 5 parts water.

Bonding Coat:

Prime the surface using the step above and allow to dry. Apply a bonding coat neat, then apply plaster / screed whilst the coat is tacky. Coverage rate: 5.7 m²/L for low suction surfaces, 8.56 m²/L for high suction surfaces.

Sealing and Bonding Absorbent Surfaces

(Concrete or Plaster):

- Step 1 - Prime the clean surface with 1 part SikaBond® PVA+ to 3 parts water and allow this to dry.
- Step 2 - Once primer is dry, apply bonding coat neat and, while the bonding coat is still tacky, then apply plaster / screed.

Sealing Non-Absorbent Surfaces

(Paint or Tiles):

- Repeat Step 1 above

Applying Internal Patching Mortars and Screeds:

- Always apply cement renders, screeds or plaster whilst the bonding coat is still tacky. If dry re-apply.

For bonding new screeds to old, prime clean surface with 1 part SikaBond® PVA+ diluted with 3 parts water and allow to dry, follow step 1 and 2 under bonding absorbent surfaces above.

Bond new material with SikaBond® PVA+ neat, and allow to dry.

As a cement admixture:

- Add 10 to 15 litres SikaBond® PVA+ to 50 kg cement.

Woodworking:

- SikaBond® PVA+ will bond wood in similar fashion to conventional bonding agents. The emulsion should be used neat in woodworking applications and conforms to a D2 bond strength under the EN 204:2016 standard. In common with conventional PVA bonding agents, SikaBond® PVA+ should not be used for load bearing applications.

CLEANING OF TOOLS

Clean all tools and any excess SikaBond® PVA+ with cold, clean water immediately after use.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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