

PRODUCT DATA SHEET

SikaCim[®] Bonding Adhesive

PVA BONDING AGENT

DESCRIPTION

A polyvinyl acetate emulsion bonding agent. It is added to cement to increase the bond strength between old and new concrete. SikaCim[®] Bonding Adhesive is compatible with all types of Portland cement including Sulphate Resisting cement, high alumina cement and gypsum plaster.

USES

As bonding agent for concrete, mortars, ceramic tiles, wood and insulation boards. Suitable for use in concrete repair.

CHARACTERISTICS / ADVANTAGES

- Increased adhesive – cementitious mixes.
- Better workability.
- Easy to dilute.
- Improves plasticity.
- Reduces porosity and cracking.

PRODUCT INFORMATION

Chemical Base	Polyvinyl Acetate Emulsion
Packaging	10 x 900 ml, tray
Appearance / Colour	Liquid / White
Shelf Life	12 months if stored in original unopened container
Storage Conditions	Store in dry, cool and shaded place
Density	~1.0 kg/L

APPLICATION INFORMATION

Recommended Dosage	Added to the mixing water within the range 1 : 1 – 1 : 3 (depending on type of application)
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APPLICATION INSTRUCTIONS

APPLICATION METHOD / TOOLS

Surface Preparation

The substrate must be sound, clean and free of dust and loose particles. All cement laitance, oil, grease, dirt, etc., must be removed by using wire brush or other method

Bonding of new concrete to old concrete

- All the old concrete surfaces should be saturated with water.
- Apply bonding coat by mixing cement with SikaCim® Bonding Adhesive : water = 1 : 1 to a slurry consistency.
- Then the lay the new concrete while the bonding is still tacky.

As a plaster bonding agent and cement rendering.

Seal the surface and prime with slurry of SikaCim® Bonding Adhesive : water = 1:1 add with cement. Then plaster or render while the bonding is still tacky.

Suggested mixes :

Rendering for rough coat (thickness 10-30 mm)
Mix cement : clean sand = 1 : 3, gauged to a stiff consistency with SikaCim® Bonding Adhesive : water = 1 : 3.

Rendering for finishing coat (thickness 0-2 mm)

Mix cement with SikaCim® Bonding Adhesive : water = 1 : 1, to a trowellable consistency.

As a bonding agent for ceramic tile, mosaic

- Dampen the substrate as well as the tiles.
- Apply a bonding slurry with a solution of SikaCim® Bonding Adhesive : cement = 1:1 to the damp substrate and to the back of tiles and allow to become tacky, then plaster the tile with mortar in required thickness and firmly press to the floor or wall to ensure full contact.

LIMITATIONS

- Do not use SikaCim® Bonding Adhesive as bonding coat without adding cement.
- Do not use SikaCim® Bonding Adhesive in the structure that permanently in wet condition e.g. swimming pool. In this case use Sika Latex or Sika Top 77 D instead.

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BASIS OF PRODUCT DATA

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

LOCAL RESTRICTIONS

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

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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.