

PRODUCT DATA SHEET

Sika ViscoBond®-108

PVA BONDING AGENT

DESCRIPTION

Sika ViscoBond®-108 is a polyvinyl acetate emulsion bonding agent. It is added to cement to increase the bond strength between old and new concrete. Sika ViscoBond®-108 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 adhesion – cementitious mixes
- Better workability
- Improves plasticity
- Reduces porosity and cracking

PRODUCT INFORMATION

Composition	Polyvinyl Acetate Emulsion
Packaging	<ul style="list-style-type: none"> ▪ 20 L pail ▪ 200 L drum
Appearance / Colour	White liquid
Shelf Life	12 months if stored in original unopened container
Storage Conditions	Store in dry and cool conditions at temperatures between +5 °C and +35 °C. Protect from direct sunlight.
Density	~1.0 kg/l

TECHNICAL INFORMATION

Mortar Mix Design

Rendering for rough coat (thickness 10–30 mm)

Cement : clean sand = 1 : 3 (by weight), gauged to a stiff consistency with Sika ViscoBond®-108.

Rendering for finishing coat (thickness 0–2 mm)

Mix cement with Sika ViscoBond®-108 to a trowellable consistency.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The substrate must be sound, clean and free from dust and loose particles. All cement laitance, oil, grease, dirt, etc., must be removed by using a wire brush or any other suitable method, eg. water-jet, compressed-air.

APPLICATION METHOD / TOOLS

Bonding of new concrete to old concrete

Old concrete surfaces should be saturated with water until Saturated-Surface-Dry (SSD). Apply a bonding coat, by mixing cement with Sika ViscoBond®-108 to a slurry consistency, onto the substrate. Place the new concrete while the bonding coat is still tacky.

As a plaster bonding agent and cement rendering

Seal the surface and prime with slurry made from Sika ViscoBond®-108 added to cement. Then plaster or render while the slurry is still tacky.

As a bonding agent for ceramic tile, mosaic

Dampen the substrate as well as the tiles. Apply a bonding slurry, made from mixing cement (neat) with Sika ViscoBond®-108 (1 : 1), to the damp substrate and to the back of the tiles. Allow to become tacky before plastering the tile with mortar to the required thickness. Firmly press the tile to the floor or wall to ensure full contact.

IMPORTANT CONSIDERATIONS

- Do not use Sika ViscoBond®-108 as bonding coat without adding cement.
- Do not use Sika ViscoBond®-108 in structures that are wet and/or submerged in water e.g. shower area and swimming pool. In this case use SikaLatex® or SikaTop®-121.
- Do not dilute Sika ViscoBond®-108 with water.

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.

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LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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.

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