

PRODUCT DATA SHEET

SikaBond® DV PK

Economical Water-Resistant Bonding Agent And Mortar Admixture

DESCRIPTION

SikaBond® DV PK is a synthetic emulsion that is used as admixture for cementitious bonding bridges and high quality site-mix mortars. Suitable for use in hot and tropical climatic conditions

USES

SikaBond® DV is used as bonding agent and site-mix mortar admixture for the following applications:

- Thin layer patching mortars
- Renders
- Floor screeds
- Concrete repair mortars
- Abrasion resistant linings
- Tile fixing mortars
- Masonry mortars
- Bonding slurry for fresh to old concrete

CHARACTERISTICS / ADVANTAGES

SikaBond® DV is simply added to the mixing water to improve the following properties:

- adhesion
- shrinkage
- water resistance
- abrasion resistance
- chemical resistance

SikaBond® DV is non-corrosive, ready to use and does not re-emulsify, even under highly alkaline conditions.

PRODUCT INFORMATION

Chemical Base	Acrylic dispersion
Packaging	05 ltr jerry can 20 ltr plastic can 200 ltr drum 1000 ltr IBC Bulk supply in tanker is possible on demand
Appearance / Colour	White liquid
Shelf Life	12 months minimum from production date if stored properly in original unopened packaging.
Storage Conditions	The product must be stored properly in undamaged, unopened original sealed packaging in dry conditions at temperatures between +5° C and +35° C. Protect from direct sunlight and frost.

pH-Value	≥ 5
Total Chloride Ion Content	Nil (EN 934-2)
Specific gravity	1.00 ± 0.02

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.

LIMITATIONS

- Never use pure SikaBond® DV PK or SikaBond® DV PK-water mix directly onto the substrate as bonding bridge, always add cement and sand to the mix.
- The standard rules of good practice for production and placing of bonding bridge, repair and adhesive mortars must be observed when using SikaBond® DV PK. Refer to relevant standards.
- Fresh applied mortar must be cured properly especially at high temperatures in order to prevent plastic and drying shrinkage. Use Sika® Antisol® WB product as a curing agent or apply curing by polyethylene sheet and wet hessian.
- Higher dosages can be used depending on the mix design, raw materials, climatic conditions and mortar requirements.
- Trial mixes must be performed to establish the exact dosage rate required.
- We recommend to perform trial mixes to establish the required performance when combining SikaBond® DV PK with other products.

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

Concrete surfaces should be clean, sound, rough and free from oil, grease, cement laitance and all loosely adhering particles. The surface should be in a saturated surface dry condition.

AGGREGATE GRADING

Aggregates should be well graded and thoroughly washed. Sand particle sizes should correspond to the thickness of mortar to be applied and required surface finish.

Mortar thickness

< 2 mm

2 - 5 mm

5 - 15 mm

>15 mm

Aggregate size

0 - 0.5 mm

0 - 1.0 mm

0 - 3.0 mm

0 - 7.0 mm

MIXING

BONDING SLURRY

SikaBond® DV : Water = 1 : 1

Mix together with fresh cement and fine sand to a homogeneous brushable slurry consistency. The resulting bonding slurry should be brushed well onto the prepared surface.

MORTARS AND RENDERS

Mixing can be done in any suitable concrete mixer, such as a pan mixer. First add the cement and aggregate into the mixer and mix to a uniform consistency.

Then add the required quantity of diluted SikaBond® DV PK and mix slowly for at least 2 minutes. Apply by steel trowel and finish with a wooden float.

DISPENSING

SikaBond® DV PK is generally added to the clean mixing water within the range 1 : 1 to 1 : 2. For all applications, apart from sprayed on renders, a bonding slurry should be applied. Subsequent mortar application must be carried out whilst the bonding coat is still wet.

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.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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