

PRODUCT DATA SHEET

SikaBond® DV

ECONOMICAL WATER RESISTANT BONDING AGENT AND MORTAR ADMIXTURE



DESCRIPTION

SikaBond® DV is a synthetic rubber 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 improved 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.

APPROVALS / CERTIFICATES

SikaBond® DV is certified according "Low Emitting Materials as per Al Sa'fat - Dubai Green Building Evaluation System" by Dubai Central Laboratory (DCL) certificate No. CL17020432

PRODUCT INFORMATION

Composition	Styrene Butadiene Rubber
Packaging	20 L pails and 200 L drums
Appearance / Colour	White liquid
Shelf life	12 months minimum from production date
Storage conditions	Store in a dry area in original packaging and at temperatures between +5 °C and +35 °C. Protect from direct sunlight, heat and moisture.
Density	~1.00 kg/l (+25 °C)
Total Chloride Ion Content	Nil (EN 934-2)

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.

DISPENSING

SikaBond® DV 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.

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	Aggregate size
< 2 mm	0 - 0.5 mm
2 - 5 mm	0 - 1.0 mm
5 - 5 mm	0 - 3.0 mm
>15 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 resultant 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 and mix slowly for at least 2 minutes. Apply by steel trowel and finish with a wooden float.

IMPORTANT CONSIDERATIONS

- Never use pure SikaBond® DV or SikaBond® DV-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. Refer to relevant standards.
- Fresh applied mortar must be cured properly especially at high temperatures in order to prevent plastic and drying shrinkage. Use Antisol®-WB product as 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 established the exact dosage rate expired.
- We recommend to perform trial mixes to establish the required performance when combining Sika-Bond® DV with other products.

BASIS OF PRODUCT DATA

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

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 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.

SIKA NORTHERN GULF

Bahrain / Qatar / Kuwait
Tel: +973 177 38188
sika.gulf@bh.sika.com
gcc.sika.com

SIKA SOUTHERN GULF

UAE / Oman / SIC
Tel: +971 4 439 8200
info@ae.sika.com
gcc.sika.com

SIKA SAUDI ARABIA

Riyadh / Jeddah / Damman
Tel: +966 11 217 6532
info@sa.sika.com
gcc.sika.com



ISO 9001: Sika UAE LLC,
Sika Gulf B.S.C. (c),
Sika Saudi Arabia Co. Ltd,
Sika Qatar LLC
ISO 14001: Sika UAE LLC,
Sika Gulf B.S.C. (c),
Sika Saudi Arabia Co. Ltd
OHSAS: Sika UAE LLC,
Sika Gulf B.S.C. (c)

All products are supplied
under a management
system certified to conform
to the requirements of the
quality, environmental and
occupational health &
safety standards ISO 9001,
ISO 14001 and OHSAS
18001.

Product Data Sheet

SikaBond® DV

January 2019, Version 03.01
020301010010000121

SikaBondDV-en-AE-(01-2019)-3-1.pdf

