

Sika Bond® DV

Economical Water Resistant Bonding Agent for Mortar

Product Description **Sika Bond® DV** is a synthetic rubber emulsion for adding to cement mortars, where good adhesion and water resistance are required. The product is suitable for use in tropical and hot climatic conditions.

Uses **Sika Bond® DV** is a high quality emulsion that substantially increases the qualities of cement mortars in applications such as:

- Thin layer patching mortars
- Renders
- Floor screeds
- Concrete repair mortars
- Abrasion resistant linings
- Tile fixing mortars
- Masonry mortars

Advantages **Sika Bond® DV** is simply added to the mixing water to provide the following properties:

- Good adhesion
- Reduced shrinkage
- Good water resistance
- Increased abrasion resistance
- Improved chemical resistance
- Non-corrosive
- Ready for use

Sika Bond® DV does not re-emulsify, even under highly alkaline conditions.

Product Data

Type	Synthetic Rubber Latex
Form	White liquid
Packaging	25 lt. pails, 200 lt. drums
Storage Condition	Protect from direct sunlight. Store in a dry area in original packaging between +5°C and +35°C
Shelf life	12 months minimum from production date if stored properly in original unopened packaging

Technical Data

Density	Approximately 1.00 kg/lt.
Chloride content	Nil (EN 934-2)



Application Details

Substrate Preparation	Concrete surfaces should be clean, sound and free from oil, grease, cement laitance and all loosely adhering particles. The surface should be in a saturated surface dry condition.										
Dispensing	Sika Bond® 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. <table border="1"> <thead> <tr> <th>Mortar thickness</th> <th>Aggregate size</th> </tr> </thead> <tbody> <tr> <td>< 2 mm</td> <td>0 - 0.5 mm</td> </tr> <tr> <td>2 - 5 mm</td> <td>0 - 1.0 mm</td> </tr> <tr> <td>5 - 15 mm</td> <td>0 - 3.0 mm</td> </tr> <tr> <td>> 15 mm</td> <td>0 - 7.0 mm</td> </tr> </tbody> </table>	Mortar thickness	Aggregate size	< 2 mm	0 - 0.5 mm	2 - 5 mm	0 - 1.0 mm	5 - 15 mm	0 - 3.0 mm	> 15 mm	0 - 7.0 mm
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Bonding Slurry	Sika Bond® DV : Water = 1:1, mixed with fresh cement, should be brushed onto the prepared surface.										
Curing	Standard curing practices must be followed.										
Application	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 Sika Bond® DV and mix slowly for at least 2 minutes. Apply by steel trowel and finish with wooden float.										
Cleaning	Clean all equipment and tools with water immediately after use.										
Remarks	Renderings and floor toppings should be allowed to cure correctly. Avoid excessive air-entrainment through over mixing. Never use neat Sika Bond® DV or Sika Bond® DV with water as a bonding agent, always add cement and sand.										
Notes	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.										
Safety	For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet 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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