

Sikabond® -DV

Economic, Water Resistant Bonding Agent for Mortar

Product Description	Sikabond® -DV is an economic, synthetic rubber emulsion for adding to cement mortars where good adhesion and water resistance are required. Suitable for tropical conditions.
Uses	Sikabond® -DV is used where the quality of cement mortars shall be substantially increased, such as: <ul style="list-style-type: none">■ Thin layer patching mortars.■ Renders.■ Floor screeds.■ Concrete repair mortars.■ Tile fixing mortars.■ Masonry mortars.■ Bonding Agent between old and new concrete (Cold Joint).
Advantages	Sikabond® -DV is simply added to the mixing water and then to the cementitious system (concrete or mortar) to provide the following properties: <ul style="list-style-type: none">■ Good adhesion.■ Reduced shrinkage.■ Greater elasticity.■ Good water resistance.■ Increased abrasion resistance.■ Improved chemical resistance.■ Non-corrosive.■ Ready for use. Sikabond® -DV does not re-emulsify, even in high alkaline conditions.
Approval / Standards	Sikabond® -DV has been tested as per SCAQMD Rule 1168. Result: VOC 0 g/l
Technical Data	
Form	White liquid.
Density	1.00 ± 0.01 kg/l
Chloride content	Nil (BS 5075)
Packaging	5 Kg and 20 Kg pails 200 Kg drums.
Storage Condition	Protect from direct sunlight, keep in dry conditions.
Shelf life	12 months minimum if stored properly in original unopened packing.



Application Details

Substrate preparation	Concrete surfaces should be clean, sound and free from oil, grease, cement laitance and all loosely adhering particles. Absorbent surfaces should be saturated thoroughly.										
Dilution rates	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.										
Materials	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>< 2mm 0-0.5mm</td> <td></td> </tr> <tr> <td>2-5mm</td> <td>0 – 1.0mm</td> </tr> <tr> <td>5-15mm</td> <td>0 – 3.0mm</td> </tr> <tr> <td>> 15mm</td> <td>0 – 7.0mm</td> </tr> </tbody> </table>	Mortar thickness	Aggregate size	< 2mm 0-0.5mm		2-5mm	0 – 1.0mm	5-15mm	0 – 3.0mm	> 15mm	0 – 7.0mm
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Bonding slurry	Sikabond® -DV : water = 1 : 1 mixed with fresh cement, should be brushed onto the prepared surface.										
Cleaning	Clean all tools and equipment with clean water immediately after use.										
Important	Renderings, floor toppings should be allowed to cure correctly. Avoid excessive air-entrainment through over mixing. Never use neat Sikabond® -DV or Sikabond® -DV with water as a bonding agent - Always add cement and sand.										

Safety Instructions

Ecology	Do not dispose of into water or soil but according to local regulations.
Transport	Non-hazardous.
Safety Precautions	Contact with skin, eyes or mucous membrane may cause irritation. Wear gloves and goggles.
Toxicity	Non-toxic under the relevant Swiss health and safety codes.

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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