DESCRIPTION
SikaBond® DV is a synthetic rubber emulsion for adding to cement mortars, where good adhesion and water resistance are required. Suitable for use in hot and tropical climatic conditions.

USES
SikaBond® DV is a high quality emulsion that substantially increases the properties of cementitious mortars in applications such as:
- Thin layer patching mortars
- Renders
- Floor screeds
- Concrete repair mortars
- Abrasion resistant linings
- Tile fixing mortars
- Masonry mortars
SikaBond® DV can be used as admixture for bonding slurries.

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

<table>
<thead>
<tr>
<th>Chemical base</th>
<th>Synthetic rubber latex</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packaging</td>
<td>25 L pails and 200 L drums</td>
</tr>
<tr>
<td>Appearance / Colour</td>
<td>Liquid / milky white</td>
</tr>
<tr>
<td>Shelf life</td>
<td>12 months minimum from production date</td>
</tr>
<tr>
<td>Storage conditions</td>
<td>Store in a dry area in original packaging and at temperatures between +5 °C and +35 °C. Protect from direct sunlight, heat and moisture.</td>
</tr>
<tr>
<td>Density</td>
<td>~1.00 kg/l at 25 °C</td>
</tr>
<tr>
<td>Total Chloride Ion Content</td>
<td>Nil</td>
</tr>
</tbody>
</table>

(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.

<table>
<thead>
<tr>
<th>Mortar thickness</th>
<th>Aggregate size</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 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>&gt;15 mm</td>
<td>0 - 7.0 mm</td>
</tr>
</tbody>
</table>

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 at least 2 minutes. Apply by steel trowel and finish with a wooden float.

LIMITATIONS

We recommend to perform trial mixes to establish the required performance when combining SikaBond® 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

Please note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Please 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.

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