DESCRIPTION
Sikadur®-43 HS is a 3 parts repair and filling mortar based on a combination of epoxy resins and selected high strength aggregates.

USES
Sikadur®-43 HS is a high strength material that is used as bedding or underfilling mortar (dry pack) or to repair horizontal concrete surfaces, such as:
- Industrial floors
- Kerbstones
- Bridge bearings
- Foundation slabs
- Crane rails
- Joint arrises in highways
- Concrete runways
- Industrial floors
- Abrasion and impact resistance wearing layers

CHARACTERISTICS / ADVANTAGES
Sikadur®-43 HS is an economical material with the following beneficial properties:
- Rapid hardening
- Shrinkage-free hardening
- High mechanical strengths
- Hardens even at high humidity
- High resistance against abrasion, impact and vibration
- Can be applied onto dry and damp substrates (no standing water)

PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Packaging</th>
<th>22 kg sets (parts A + B + C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shelf Life</td>
<td>12 months from the date of production, if stored in undamaged, original sealed packaging, and if storage conditions are met.</td>
</tr>
<tr>
<td>Storage Conditions</td>
<td>Sikadur®-43 HS shall be stored in cool and dry conditions, where it is protected from direct sunlight, rain and water.</td>
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<tr>
<td>Density</td>
<td>Sikadur®-43 HS (parts A + B + C) ~2.1 kg/l (mixed mortar)</td>
</tr>
<tr>
<td></td>
<td>Sikadur®-43 HS Primer (parts A + B) ~1.05 kg/l</td>
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</tbody>
</table>

TECHNICAL INFORMATION

| Compressive Strength | 7 days     | ~95 N/mm² (at +25 °C, 65 % r.h.) (ASTM C 579) |

Product Data Sheet
Sikadur®-43 HS
October 2018, Version 01.01
0202040300100000154
APPLICATION INFORMATION

**Mixing Ratio**
Sikadur®-43 HS part A : B : C  2 : 1 : 30 parts by weight
Sikadur®-43 HS Primer part A : B  2 : 1 parts by weight/volume

<table>
<thead>
<tr>
<th>Layer Thickness</th>
<th>Max. 50 mm / For large areas 15 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient Air Temperature</td>
<td>+5 °C min. / +35 °C max.</td>
</tr>
<tr>
<td>Substrate Temperature</td>
<td>+5 °C min. / +35 °C max.</td>
</tr>
<tr>
<td>Pot Life</td>
<td>Temperature</td>
</tr>
<tr>
<td>+40 °C</td>
<td>30 minutes</td>
</tr>
<tr>
<td>+30 °C</td>
<td>45 minutes</td>
</tr>
<tr>
<td>+20 °C</td>
<td>60 minutes</td>
</tr>
</tbody>
</table>

APPLICATION INSTRUCTIONS

**SUBSTRATE QUALITY**
All surfaces must be clean, free from oil, grease, old coatings, laitance, standing water and all loosely adhering particles. Sandblasting, high pressure water-jetting, grinding or scabbling of substrate is necessary.

**SUBSTRATE PREPARATION**
Prime with Sikadur®-43 HS Primer for dry substrate. On damp substrates (no standing water) use Sikadur®-31 CF as primer, work well into substrate. Always work wet-on-wet on the bonding bridge/primer.

**MIXING**
Mix all of Part B (hardener) with all of Part A (resin) for at least 2 minutes with a slow speed electric drill (maximum 500 rpm) until a smooth consistency and streak-free colour is achieved.
Then add all of Part C (aggregates) and continue mixing until a homogeneous mortar is obtained. Use immediately.

**APPLICATION METHOD / TOOLS**
Whilst the primer is still tacky, spread the mixed Sikadur®-43 HS and manually compact. Then trowel firmly into place.

**CLEANING OF TOOLS**
Clean all tools and application equipment with Sika® Colma Cleaner immediately after use. Hardened or cured material can only be mechanically removed.

IMPORTANT CONSIDERATIONS

- For external applications, seal surface of Sikadur®-43 HS mortar with Sikafloor®-94 MY
- Maximum thickness per layer for levelling or filling is 5 cm (1.5 cm for large areas)
- Minimum age of new concrete is 3–6 weeks, depending on climate

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.

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.

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.