Sikaflex®-2c SL
TWO-COMPONENT, SELF-LEVELLING, POLYURETHANE ELASTOMERIC SEALANT

Description
Sikaflex®-2c SL is a two-component, premium-grade, polyurethane-based, elastomeric sealant. It is principally a chemical cure in a self-levelling consistency.

Where to Use
- Intended for use in all properly designed working joints with a minimum depth of 6 mm (1/4 in).
- Ideal for horizontal applications.
- Can be applied at temperatures as low as 4 °C (39 °F).
- Adheres to most substrates commonly found in construction.
- Submerged conditions, such as canal and reservoir joints.
- Ideal for vehicle traffic joints.

Advantages
- Capable of ± 50 % joint movement.
- True self-levelling properties.
- Chemical cure allows the sealant to be placed in joints exceeding 13 mm (1/2 in) in depth.
- High elasticity with a tough, durable, flexible consistency.
- Exceptional cut and tear resistance.
- Exceptional adhesion to most substrates without priming.
- Available in 40 architectural colours.
- Colour uniformity assured via Color-pak system.
- Available in pre-pigmented Limestone Grey (no Color-pak needed).
- Self-levelling consistency, easy to apply in horizontal joints.
- Easy to mix.
- Paintable with water, oil, and rubber-base paints.
- Jet fuel resistant.
- USDA approved.
- Booster pak available for faster cure in cold weather.
- Meets ASTM C920, Type M, Grade P, Class 25, use T, NT, M, G, A, O, I.
- Meets Federal Specification TT-S-00227E, Type I, Class A.
- Meets Federal Specification TT-S-001543A
- Meets Federal Specification TT-S-00230C
- Meets CAN/CGSB 19.24-M90.
- Canadian Food Inspection Agency acceptance.
- Ministère des Transports du Québec acceptance.

Technical Data

Packaging
5.7 and 17.1 L units (1.5 and 4.5 US gal. units). Color-pak and Sikaflex®-2c Booster sold separately.

Colours
A wide range of architectural colours are available. Special colours available on request.

Yield
Linear metre of Sealant per Litre

<table>
<thead>
<tr>
<th>Width (mm)</th>
<th>6 (¼)</th>
<th>13 (½)</th>
<th>19 (%)</th>
<th>25 (1)</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 (¼)</td>
<td>24.8</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>13 (½)</td>
<td>12.4</td>
<td>6.2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19 (%)</td>
<td>8.3</td>
<td>4.1</td>
<td>2.8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25 (1)</td>
<td>6.2</td>
<td>3.1</td>
<td>2.1</td>
<td>1.6</td>
<td></td>
</tr>
<tr>
<td>32 (1¼)</td>
<td>5.0</td>
<td>2.5</td>
<td>1.7</td>
<td>1.2</td>
<td>1.0</td>
</tr>
<tr>
<td>38 (1½)</td>
<td>4.1</td>
<td>2.1</td>
<td>1.4</td>
<td>1.0</td>
<td>0.8</td>
</tr>
</tbody>
</table>

Shelf Life
1 year in original, unopened packaging. Store dry at temperatures between 4 and 35 °C (39 and 95 °F). Condition product between 18 and 24 °C (65 and 75 °F) before using.

Properties at 23 °C (73 °F) and 50 % R.H.

Application Temperature
4 to 38 °C (39 to 100 °F), ambient and substrate temperatures. Sealant should be installed when joint is at mid-range of its anticipated movement.

Service Range
-40 to 77 °C (-40 to 170 °F)

Curing Rate ASTM C679
- Tack-free time: 6 - 8 hours
- Final cure: 3 days
Limitations

- The ultimate performance of Sikaflex®-2c SL depends on good joint design and proper application.
- Some substrates require priming. Please refer to the Sikaflex® Primers Product Data Sheet or contact Sika Canada.
- Although applying sealants over paints, sealers, or coatings is not recommended within the industry, where it cannot be avoided, it is always necessary to test for adhesion. It should also be recognized that the existing paint, sealer, or coating will dictate bond values and possibly the integrity of a subsequently applied sealant and thus the performance of the joint.
- Minimum depth in working joint is 6 mm (1/4 in).
- Maximum expansion and contraction should not exceed 50 % of average joint width.
- Avoid contact with materials or surfaces impregnated with, or containing, oil, asphalt, tar, or bituminous substances.
- Do not apply or cure in the presence of uncured silicone sealants, alcohol, and other solvent cleaners.
- Allow three (3) day cure before subjecting sealant to total water immersion.
- Avoid exposure to high levels of chlorine. (Maximum level is 5 ppm).
- Do not apply when moisture vapour transmission exists since this can cause bubbling within the sealant.
- Avoid over-mixing sealant.
- Light colour shades tend to yellow over time when exposed to ultraviolet rays.
- When overcoating: an on-site test is recommended to determine actual compatibility.
- The minimum depth of sealant in horizontal joints subject to traffic is 13 mm (1/2 in).
- Do not tool with detergent or soap solution.

**Health and Safety Information**

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent SAFETY DATA SHEET containing physical, ecological, toxicological and other safety-related data.

**KEEP OUT OF REACH OF CHILDREN**

**FOR INDUSTRIAL USE ONLY**

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, within their shelflife. 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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

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Certified ISO 9001 (CERT-0102780)
Certified ISO 14001 (CERT-0102791)