### Movement Capability

| Movement Capability | Sikaflex 1a | Sikaflex 15LM | Sikaflex 2c NS EZ Mix | Sikaflex 2c SL | Sikaflex 1c SL | Sikaflex 11 FC | Sikaflex 150 LM | Sikasil WS-290 | Sikasil WS-295 | Sikasil -300 | Sikasil 728 SL | Sikasil 728 NS | Sikasil BS | Sikasil GP | Sikasil N-Plus | Sikadur-524 EZ | Sikadur 524 EZ | Sikadur 524 EZ | Sikadur 524 EZ | Sikadur 524 EZ |
|---------------------|------------|--------------|-----------------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------|-----------|----------------|----------------|----------------|----------------|----------------|----------------|
| +35/ -35            |            |              |                       |              |               |               |               |               |               |               |               |               |           |           |                 |                |                |                |                |                |
| +50/ -50            |            |              |                       |              |               |               |               |               |               |               |               |               |           |           |                 |                |                |                |                |                |
| +25/ -25            |            |              |                       |              |               |               |               |               |               |               |               |               |           |           |                 |                |                |                |                |                |
| +12.5/-25.5         |            |              |                       |              |               |               |               |               |               |               |               |               |           |           |                 |                |                |                |                |                |
| +100/-50            |            |              |                       |              |               |               |               |               |               |               |               |               |           |           |                 |                |                |                |                |                |
| +50/-100            |            |              |                       |              |               |               |               |               |               |               |               |               |           |           |                 |                |                |                |                |                |
| +25/ -25            |            |              |                       |              |               |               |               |               |               |               |               |               |           |           |                 |                |                |                |                |                |
| +50/ -50            |            |              |                       |              |               |               |               |               |               |               |               |               |           |           |                 |                |                |                |                |                |
| +100/-50            |            |              |                       |              |               |               |               |               |               |               |               |               |           |           |                 |                |                |                |                |                |
| +200/-50            |            |              |                       |              |               |               |               |               |               |               |               |               |           |           |                 |                |                |                |                |                |
| +100/-50            |            |              |                       |              |               |               |               |               |               |               |               |               |           |           |                 |                |                |                |                |                |
| +100/-50            |            |              |                       |              |               |               |               |               |               |               |               |               |           |           |                 |                |                |                |                |                |
| +25/ -25            |            |              |                       |              |               |               |               |               |               |               |               |               |           |           |                 |                |                |                |                |                |
| +50/ -50            |            |              |                       |              |               |               |               |               |               |               |               |               |           |           |                 |                |                |                |                |                |
| +12.5/-25.5         |            |              |                       |              |               |               |               |               |               |               |               |               |           |           |                 |                |                |                |                |                |
| +50/ -100           |            |              |                       |              |               |               |               |               |               |               |               |               |           |           |                 |                |                |                |                |                |
| +100/-50            |            |              |                       |              |               |               |               |               |               |               |               |               |           |           |                 |                |                |                |                |                |
| N/A                 |            |              |                       |              |               |               |               |               |               |               |               |               |           |           |                 |                |                |                |                |                |

### Meets ASTM C920
- Yes
- No

### Meets ASTM D5893
- Yes
- No

### UL Fire Rated 2 HR
- Yes
- No

### SWRI Validation
- Yes
- No

### Paintable
- Yes
- No

### Passes ANSI/NSF 51 for direct food contact
- Yes
- No

### Meets ANSI/NSF 61 for potable water
- Yes
- No

### Joints & Cracks in Immersion Service
- Yes
- No

### Concrete Canal joints
- Yes
- No

### Green or Damp Concrete
- Yes
- No

### Conventional Glazing
- Yes
- No

### Structural Glazing
- Yes
- No

### Precast Concrete
- Yes
- No

### Brickwork & Masonry
- Yes
- No

### EIFS & Stucco
- Yes
- No

### Cast-In-Place Concrete
- Yes
- No

### Horizontal Concrete Pavement
- Yes
- No

### Park Deck
- Yes
- No

### Highways
- Yes
- No

### Runways
- Yes
- No

### Tilt-Up Walls
- Yes
- No

### Window and Door Perimeters
- Yes
- No

### Paver Joints in Plaza decks
- Yes
- No

### Control Joints in Horizontal Concrete (exterior)
- Yes
- No

### Control Joints in Horizontal Concrete (interior)
- Yes
- No

### Coping joints
- Yes
- No

### Reglet joints
- Yes
- No

### Subfloor Adhesive
- Yes
- No

### General Adhesive
- Yes
- No

### Pick-proof/Tamper Resistant Security Sealant
- Yes
- No

### Kitchen and bath applications
- Yes
- No

### High Temperatures
- Yes
- No

### Secondary Containment
- Yes
- No

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**NOTE:** Information subject to change. Always consult product data sheet prior to application. Detailed and up to date technical information and product data sheets can be found at usa.sika.com
REFERENCE GUIDE

ADHESION TESTING
- Always perform pre-job testing to confirm adhesion
- Jobsite pull test should be conducted after material has cured to ensure proper bond
- Cut both sides of joint, then pull sealant strip at an angle of 90° or more
- Cohesive failure should occur before adhesive failure or sealant should reach 2x elongation before adhesive failure
- Test actual substrates on site
- Always document locations and times
- Refer to ASTM test C1521 for more details

JOINT PREPARATION:
- Must remove all weak material on bonding surface of porous substrates
- Surfaces must be clean, dry, and free of dew or frost
- Porous: abrasive, high pressure water (allow surface to dry), grinding, wire brush, oil-free compressed air
- Non-porous: 2 rag method (clean, lint-free, and absorbent solvent wipe followed by an immediate dry cloth wipe. Do not spread contaminants.)
- Cleaning joints with alcohol is not recommended.

PAINTING AND OVER-COATING
- Polyurethanes and hybrids are compatible with water-, oil-, and rubber-based paints; however, it is critical to always test paints and over-coats before applying them to sealants
- Silicone sealants cannot be painted over
- Without proper testing, the following may occur:
  - Cracking of paint due to joint movement
  - Prolonged tackiness and debris collection on the joint
- Polyurethane sealants should be fully cured and thoroughly cleaned before an over-coat is applied
- SilkaHyflex 150LM can be overcoated after sealant has skinned over
- After application of the paint or the over-coat, allow the system to fully cure before usage

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BACKING
- Serves to:
  - Attain proper wetting of substrate when sealant is tooled
  - Control sealant depth
  - Prevent 3-sided adhesion
  - Provide support for the sealant.
  - Note: Horizontal traffic areas must use closed cell backer rod.
  - Give the sealant an hourglass shape for optimum performance
  - The width of the joint should be two times the depth (2:1 width/depth ratio)
    - Minimum of ¼”
    - Maximum of ½”
    - For traffic applications: ½”
- Recommended backing materials include closed cell backer rod (do not use if punctured), open cell backer rod, bi-cellular backer rod, bond breaker tape and backing tape

TOOLING
- Tooling serves multiple purposes:
  - It creates a smooth surface
  - It helps bond the sealant to the contact area
  - It forms the sealant into an hourglass shape for best movement capability
- Tooling is best done with a new, clean, freshly polished stainless steel or plastic tool that is, ideally, the width of the joint
- Tooling should be done as soon as possible to allow for optimum workability
- Only tool once and never tool in more than one direction
- Dry tool only

CLEANUP AND SAFETY
- For cleanup of uncured sealants and adhesives use xylene, MEK, or acetone; however, always comply with federal, state, and local chemical regulations
- For cured cleanup, removal is best achieved by removing as much as possible through cutting, peeling, and scraping, then turpentine with a non-abrasive cloth
- Dispose of excess product and container in accordance with applicable environmental regulations
- Always read the product data sheet (PDS) and the material safety data sheet (MSDS), both available online or with the Sika Product Finder mobile app before using the product.

YIELD CHART

<table>
<thead>
<tr>
<th>10.1 oz. Cartridge: Yield in Linear feet</th>
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<tr>
<td>144” Depth (in.)</td>
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<tr>
<td>1/4” 24.3</td>
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<tr>
<td>3/8” 16.2</td>
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<td>1” 4.0</td>
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<td>1.25” 7.0</td>
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<td>1.5” 5.8</td>
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<th>1 gallon: Yield in Linear feet</th>
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