Sikadur® Hex-300 is a two-component 100% solids, moisture-tolerant, high strength, high modulus epoxies. Sikadur® Hex 300 is compliant with the 2012 and 2009 International Building Codes (IBC) and the 1997 Uniform Building Code (UBC) per ICC-ES Evaluation Report ESR-3288.

USES
Sikadur® Hex-300 may only be used by experienced professionals.
- For use as an impregnating resin with the SikaWrap® Structural Strengthening System.
- Sikadur® Hex-300 is used as a seal coat and impregnating resin for horizontal and vertical applications.

PRODUCT INFORMATION

<table>
<thead>
<tr>
<th>Packaging</th>
<th>4 gallon units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Clear, slightly amber</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>24 months from date of production if stored properly in original, unopened and undamaged sealed packaging</td>
</tr>
<tr>
<td>Storage Conditions</td>
<td>Store dry at 40–95 °F (4–35 °C). Condition material to 65–75 °F (18–24 °C) before using</td>
</tr>
<tr>
<td>Viscosity</td>
<td>~500–750 cps.</td>
</tr>
</tbody>
</table>

CHARACTERISTICS / ADVANTAGES
- Long pot life
- Long open time
- Easy to mix
- Tolerant of moisture before, during and after cure
- High strength, high modulus adhesive
- Excellent adhesion to concrete, masonry metals, wood and most structural materials
- Fully compatible and developed specifically for the SikaWrap® System
- High temperature resistance
- High abrasion and shock resistance
- Solvent-free, VOC compliant

APPROVALS / STANDARDS
2009 & 2012 International Building Codes (IBC)
### TECHNICAL INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>40 °F (4 °C)</th>
<th>73 °F (23 °C)</th>
<th>90 °F (32 °C)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Compressive Strength</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 days</td>
<td>-</td>
<td>8,300 psi (57.2 MPa)</td>
<td>-</td>
</tr>
<tr>
<td>7 days</td>
<td>1,000 psi (7.1 MPa)</td>
<td>12,000 psi (82.7 MPa)</td>
<td>12,000 psi (82.7 MPa)</td>
</tr>
<tr>
<td>28 days</td>
<td>-</td>
<td>11,300 psi (77.9 MPa)</td>
<td>-</td>
</tr>
</tbody>
</table>

Material cured and tested at the temperatures indicated and 50 % R.H.

**Modulus of Elasticity in Compression**

- 3.8 x 10⁵ psi (2,621 MPa) (7 days)  
  (ASTM D-695)

**Flexural Strength**

- 11,500 psi (79.3 MPa)  
  (ASTM D-790)

  - 73 °F (23 °C)  
    50 % R.H.

  - 140 °F (60 °C)  
    50 % R.H.

  Post cured min. 48 hrs

- 17,800 psi (123 MPa)

**Modulus of Elasticity in Flexure**

- 5.1 x 10⁵ psi (3,517 MPa)  
  (ASTM D-790)

  - 73 °F (23 °C)  
    50 % R.H.

  - 140 °F (60 °C)  
    50 % R.H.

  Post cured min. 48 hrs

- 6 x 10⁵ psi (4,138 MPa)

**Tensile Strength**

- 7,500 psi (41.4 MPa)  
  (ASTM D-638)

  - 73 °F (23 °C)  
    50 % R.H.

  - 140 °F (60 °C)  
    50 % R.H.

  Post cured min. 48 hrs

- 10,200 psi (70.3 MPa)

**Tensile Modulus of Elasticity**

- 2.8 x 10⁵ psi  
  (ASTM D-638)

  - 73 °F (23 °C)  
    50 % R.H.

  - 140 °F (60 °C)  
    50 % R.H.

  Post cured min. 48 hrs

- 3.4 x 10⁵ psi (2,345 MPa)

**Elongation at Break**

- 3.2 %  
  (ASTM D-638)

  - 73 °F (23 °C)  
    50 % R.H.

  - 140 °F (60 °C)  
    50 % R.H.

  Post cured min. 48 hrs

- 4.8 %

**Heat Deflection Temperature**

- 112 °F (44.5 °C) (7 days)  
  (fiber stress loading = 264 psi (1.8 MPa))  
  (ASTM D-648)

**Water Absorption**

- 0.32 % (7 days (24 hour immersion))  
  (ASTM D-570)

**Service Temperature**

- -40–140 °F (-40–60 °C)

### APPLICATION INFORMATION

**Mixing Ratio**

Mix entire unit, do not batch down

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Product Data Sheet
Sikadur® Hex-300
October 2018, Version 01.01
020206040020000001

BUILDING TRUST

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**Coverage**

- As a sealer: 100 ft²/gal.
- As an impregnating resin:
  - 120 ft²/gal. - 9 oz. per sq.yd. fabrics
  - 60 ft²/gal. - 18 oz. per sq.yd. fabrics
  - 30 ft²/gal. - 37 oz. per sq.yd. fabrics

**Pot Life**

- ~ 3–4 hours (1 quart volume mixed)

**Open Time**

- ~ 6–7 hours (Time to reach ~10,000 cps)

**Cure Time**

- ~ 12–14 hours (Tack Free)

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**APPLICATION INSTRUCTIONS**

**SUBSTRATE PREPARATION**

The concrete surface should be prepared to a minimum concrete surface profile (CSP) 3 as defined by the ICRI-surface-profile chips. Localized out-of-plane variations, including form lines, should not exceed 1/32 in. (1 mm). Substrate must be clean, sound, and free of surface moisture. Remove dust, laitance, grease, oils, curing compounds, waxes, impregnations, foreign particles, coatings and disintegrated materials by mechanical means (i.e. sandblasting). For best results, substrate should be dry. However, a saturated surface dry condition is acceptable.

**MIXING**

Pre-mix each component. Mix entire unit, do not batch. Pour contents of part ‘B’ to part ‘A’. Mix thoroughly for 5 minutes using a paddle style mixer on low speed (400–600 rpm) drill until uniformly blended.

**APPLICATION METHOD / TOOLS**

- **As a sealer:** Apply mixed Sikadur® Hex-300 epoxy to a properly prepared substrate using a brush, roller or airless sprayer. Sikadur® Hex-300 should be applied at a sufficient rate to fully saturate the substrate without producing a surface film. Coverage rates are based on a substrate with normal porosity.

- **As an impregnating resin:** For vertical and horizontal applications, use Sikadur® Hex-300. For vertical and overhead applications use Sikadur® 330 US as tack coat/primer for the saturated fabric to prevent it from sliding off. Resins may be applied to fabric by either manual or mechanical means. For further information, consult installation guidelines.

**LIMITATIONS**

- Minimum substrate and ambient temperature 40 °F (4 °C)
- Do not thin with solvents
- Material is a vapor barrier after cure
- Minimum age of concrete must be 21–28 days depending on curing and drying conditions
- Not an aesthetic product. Color may alter due to variations in lighting and/or UV exposure
- Mechanically prepared, top side, horizontal concrete surfaces can be primed with Sikadur® Hex-300. Vertical or overhead surfaces however, must be primed with Sikadur® 330 US.

**BASIS OF PRODUCT DATA**

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

**OTHER RESTRICTIONS**

See Legal Disclaimer.

**ENVIRONMENTAL, HEALTH AND SAFETY**

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

**LEGAL DISCLAIMER**

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

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