**Sikadur® 300**
High-modulus, high-strength, impregnating resin

**Description**
Sikadur 300 is a two-component 100% solids, moisture-tolerant, high strength, high modulus epoxy.

**Where to Use**
- For use as an impregnating resin with SikaWrap Structural Strengthening System.
- Sikadur 300 is used as a seal coat and impregnating resin for horizontal and vertical applications.

**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.

**Coverage**
As a sealer: 100 ft²/gal. As an impregnating resin: 60 ft²/gal.

**Packaging**
4 gallon units.

**How to Use**
**Surface 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.

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**Typical Data** *(Material and curing conditions @ 73°F (23°C) and 50% R.H.)*

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shelf Life</td>
<td>2 years in original, unopened container.</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>Color</td>
<td>Clear, amber.</td>
</tr>
<tr>
<td>Mixing Ratio</td>
<td>Mix entire unit, do not batch.</td>
</tr>
<tr>
<td>Viscosity (mixed)</td>
<td>approx. 500 cps</td>
</tr>
<tr>
<td>Reactivity</td>
<td>6-7 hours (time to reach 10,000 cps)</td>
</tr>
<tr>
<td>Tack Free (30 mils) ByK Drying Recorder</td>
<td>14-16 hours</td>
</tr>
<tr>
<td>Service Temperature Range</td>
<td>-40°F to 140°F (-40°C to 60°C)</td>
</tr>
</tbody>
</table>

**Mechanical Properties** *(14 day cure @73°F (23°C) and 50% R.H.)*

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength (ASTM D-638)</td>
<td>8,000 psi (55 MPa)</td>
</tr>
<tr>
<td>Tensile Modulus (ASTM D-638)</td>
<td>2.5 x 10^6 psi (1,724 MPa)</td>
</tr>
<tr>
<td>Elongation @ Break (ASTM D-638)</td>
<td>3%</td>
</tr>
<tr>
<td>Flexural Strength (ASTM D-790)</td>
<td>11,500 psi (79 MPa)</td>
</tr>
<tr>
<td>Flexural Modulus (ASTM D-790)</td>
<td>5 x 10^6 psi (3,450 MPa)</td>
</tr>
</tbody>
</table>
## Mixing
Pre-mix each component. Mix entire unit, do not batch. Pour contents of part B to part A. Mix thoroughly for 5 minutes on low using a paddle style mixer on low speed (400-600 rpm) drill until uniformly blended.

## Application
### As a sealer:
Apply mixed Sikadur 300 epoxy to a properly prepared substrate using a brush, roller or airless sprayer. Sikadur 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:
As an impregnating resin for vertical and horizontal applications, use Sikadur 300. Resins may be applied to fabric by either manual or automatic means. For further information, consult installation guidelines.

## Limitations
- Minimum substrate and ambient temperature 50°F (10°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.

## Warning
Component ‘A’ - Irritant; Sensitizer - Contains epoxy resin. Eye irritant. May cause skin sensitization after prolonged or repeated contact. May cause skin/respiratory irritation. Harmful if swallowed.

Component ‘B’ - DANGER! Corrosive; Irritant - Contains amines. Contact with eyes or skin causes severe burns. Can cause skin sensitization after prolonged or repeated contact. Skin/eye irritant. May cause respiratory irritation. Harmful if swallowed. Deliberate concentration of vapors of Component A or B for purposes of inhalation is harmful and can be fatal.

## First Aid
### Eyes:
Flush immediately with plenty of water for 15 minutes. Skin: Remove contaminated clothing. Wash skin immediately and thoroughly with soap and water. Inhalation: Remove person to fresh air. Ingestion: Do not induce vomiting. In all cases, contact a physician immediately if symptoms persist.

## Handling and Storage:
Avoid direct contact. Use chemical resistant clothing/gloves/goggles. Use only with adequate general and local ventilation. In absence of adequate ventilation, use properly fitted NIOSH respirator. Wash thoroughly after handling product. Remove contaminated clothing and launder before reuse. Store at 40°-95°F (4°-35°C) under dry conditions. Condition material to 65°-75°F (18°-24°C) before using. Keep container tightly closed.

## Clean Up
Confine spill. Wear chemical resistant gloves/goggles/clothing. Collect with absorbent material. For further information, consult installation guidelines.

## Data Sheet
Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product’s most current Technical Data Sheet, product label and Material Safety Data Sheet prior to product use. Sika reserves the right to change the properties of its products without notice. Sika shall not be liable under any legal theory for special or consequential damages. Sika shall not be responsible for the use of this product in a manner to infringe on any patent or any other intellectual property rights held by others.