

# PRODUCT DATA SHEET

## Sikadur<sup>®</sup>-300

High-modulus, high-strength, impregnating resin

### PRODUCT DESCRIPTION

Sikadur<sup>®</sup>-300 is a two-component 100% solids, moisture-tolerant, high strength, high modulus epoxy.

### USES

Sikadur<sup>®</sup>-300 may only be used by experienced professionals.

- For use as an impregnating resin with SikaWrap<sup>®</sup> Structural Strengthening System.
- Sikadur<sup>®</sup> 300 is used as a seal coat and impregnating resin for horizontal and vertical applications.

### 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<sup>®</sup> System.
- High temperature resistance.
- High abrasion and shock resistance.
- Solvent-free, VOC compliant.

### PRODUCT INFORMATION

<b>Packaging</b>	4 gallon units.
<b>Color</b>	Clear, amber.
<b>Shelf Life</b>	2 years in original, unopened container.
<b>Storage Conditions</b>	Store dry at 40°-95°F (4°-35°C). Condition material to 65°-75°F (18°-24°C) before using.
<b>Viscosity</b>	approx. 500 cps <b>Reactivity:</b> 6-7 hours (time to reach 10,000 cps)
	<b>Tack-Free (30 mils) ByK Drying Recorder</b> 14-16 hours

### TECHNICAL INFORMATION

<b>Flexural Strength</b>	11,500 psi (79 MPa)	(ASTM D-790) 14 day cure @73°F (23°C) 50% RH
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<b>Modulus of Elasticity in Flexure</b>	5 x 105 psi (3,450 MPa)	(ASTM D-790) 14 day cure @73°F (23°C) 50% RH
<b>Tensile Strength</b>	8,000 psi (55 MPa)	(ASTM D-638) 14 day cure @73°F (23°C) 50% RH
<b>Tensile Modulus of Elasticity</b>	2.5 x 105 psi (1,724 MPa)	(ASTM D-638) 14 day cure @73°F (23°C) 50% RH
<b>Elongation at Break</b>	3%	(ASTM D-638) 14 day cure @73°F (23°C) 50% RH
<b>Service Temperature</b>	-40°F to 140°F (-40°C to 60°C)	

## APPLICATION INFORMATION

**Mixing Ratio** Mix entire unit, do not batch.

**Coverage**  
 As a sealer: 100 ft.<sup>2</sup>/gal.  
 As an impregnating resin:  
 120 ft.<sup>2</sup>/gal. - 9 oz. per sq.yd. fabrics  
 60 ft.<sup>2</sup>/gal. - 18 oz. per sq.yd. fabrics  
 30 ft.<sup>2</sup>/gal. - 37 oz. per sq.yd. fabrics

## 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 on low using a paddle style mixer on low speed (400-600 rpm) drill until uniformly blended.

### APPLICATION METHOD / TOOLS

**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.

### 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

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at [usa.sika.com](http://usa.sika.com) or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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### Product Data Sheet

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