

## Sikafloor® 265

### Flexible Epoxy Membrane

<b>Description</b>	Sikafloor 265 is a two component, high solids and flexible epoxy for use as a flexible membrane. Sikafloor 265 is a true elastomer for use as a seamless, waterproofing membrane. This unique, flexible polymer system maximizes flexibility and elongation to provide excellent crack bridging capabilities. Can be used alone as a Clear or with Sikafloor Epoxy Color Additive.
<b>Where to Use</b>	Sikafloor 265 is ideal for mechanical equipment rooms, floors in interior spaces where humidity and temperature are micro-controlled, access floor systems for computer rooms and offices where liquid lines prevail, areas requiring an elastomeric water protection surface. Sikafloor 265 may be used as a waterproofing membrane.
<b>Advantages</b>	<ul style="list-style-type: none"> <li>■ Economical</li> <li>■ Ease of application</li> <li>■ High solids</li> <li>■ Flexible, bridges hairline cracks</li> <li>■ Resistance to thermal shock</li> <li>■ Wide range of colors with Sikafloor Epoxy Color Additive</li> <li>■ Meets USDA Requirements for incidental food contact</li> </ul>
<b>How to Use</b>	
<b>Surface Preparation</b>	Surface must be clean, sound and dry. Remove dust, laitance, grease, curing compounds, bond inhibiting impregnations, waxes and any other contaminants. All projections, rough spots, etc. should be dressed off to achieve a level surface prior to the application. Concrete should be cleaned and prepared to achieve a laitance and contaminant free, open textured surface by shot blasting or equivalent mechanical means. (CSP-3 as per ICRI guidelines). Sweep and vacuum any remaining dirt and dust with a wet/dry vacuum. Removing residual dust will help ensure a tenacious bond between the primer and substrate. Whenever "shot-blasting" is utilized, be careful to leave concrete with a uniform texture. Over "blasting" will result in reduced coverage rates of the primer and/or subsequent topcoats. The compressive strength of the concrete substrate should be at least 3500 psi (24 MPa) at 28 days and at least 250 psi (1.7 MPa) in tension at the time of application of Sikafloor 265.
<b>Priming</b>	Waterproofing requires (2) coats of Sikafloor 265 at 40 total mils. This method does not require a primer. If a single coat application of Sikafloor 265 is applied at 40 mils, a primer is necessary. In this case Sikafloor 107 should be applied at 275-300 sq. ft. per gallon, over damp or dry concrete. Rough concrete surfaces will result in reduced coverage.

#### Typical Data

<b>Colors</b>	Clear and other colors available with use of Epoxy Color Add	
<b>Coverage</b>	Approximate coverage is 80-sq. ft. (24.3 m <sup>2</sup> ) per mixed gallon (3.78 L) @ 20 mils DFT. Minimum 2 coats required for waterproofing (40 mils total).	
<b>Pot Life @ 75°F (24°C)</b>	The pot life on this product is approximately 40 minutes at 75°F (23.8°C) and 50% R.H. High temperature and high humidity will accelerate curing and reduce pot life.	
<b>Cure Time @ 75°F (23.8°C)</b>	12-16 hrs. - Foot Traffic 24 hrs. - Light Traffic 72 hrs. - Heavy wheeled traffic and/or chemical spillages	
<b>Shelf-Life</b>	18 months in original unopened container under proper storage conditions. Store dry between 40° - 90°F (5° - 32°C).	
<b>Typical Physical Properties:</b>		
<b>Hardness (Shore D)</b>	ASTM D-2240	40
<b>Adhesion, Bond Strength</b>	ASTM D-4541	520 lbs/in <sup>2</sup> -Concrete Failure
<b>Impact Resistance: (Gardener Impact Tester)</b>	ASTM D-2794	>160 in - lb (18.1 N-m)
<b>Flammability</b>	ASTM D-635	Self Extinguishing
<b>Tensile Strength</b>	ASTM D-638	1050 psi (7.2 MPa)
<b>Tensile Elongation</b>	ASTM D-638	125%
<b>Modulus of Elasticity</b>	ASTM D-638	246,000 psi (1697 MPa)
<b>Tear Strength</b>	ASTM D-1938	90 lbs (0.4003399)
<b>Thermal Cycling: 24 hrs. -5.8°F-77°F; -21°C to 25°C</b>	ASTM C-884	No Cracking
<b>Above typical values based on 7 days cure @ 75° F (24° C)</b>		
<b>VOC (g/l)</b>	ASTM D2369-07	16.3 g/l
<b>Packaging:</b> Sikafloor 265 is packaged in full 5-gallon (18.9 L) pails, both Resin and Hardener. Mix ratio is 1R:1H by volume.		



# Industrial Flooring

<b>Chemical Resistance</b>	No Chemical Resistance Guide for this product, requires over coating with a Sikafloor system or topcoat.
<b>Mixing</b>	<p>For bulk packaging when not mixing full units each component must be pre-mixed separately to ensure product uniformity. It is important to remember that the Sikafloor 265 has a limited pot life. Review that all surface preparation is complete and application equipment is in good working order, before starting the mixing sequence.</p> <p><b>Color Additives:</b> If color is desired, the appropriate Sikafloor Epoxy Color Additive is added to the "Clear" Part R resin at the specified rate. <i>Refer to Epoxy Color Additive Data Sheet for specific ratios.</i> Mix at low speed for a minimum of two minutes.</p> <ol style="list-style-type: none"> <li>1. The Part R Resin must be thoroughly mixed prior to the addition of Part H Hardener.</li> <li>2. Mix ratio is 1 Part Resin to 1 Part Hardener by volume. Pour into an empty clean pail correct amount of Resin and Hardener, 1 R:1 H.</li> <li>3. Mix with a very low speed jiffy mixer, until completely blended. This will take about 2 to 3 minutes. Be careful not to introduce any air bubbles while mixing.</li> <li>4. Due to the difference in viscosity between the Part "R" Resin and Part "H" Hardener, care must be taken to ensure that both components are thoroughly mixed in order to avoid weak or partially cured spots in the coating.</li> <li>5. Since this product does not need any induction time, it should be used immediately after mixing.</li> </ol>
<b>Application</b>	This product should be applied by first pouring a bead of material in the form of a ribbon on the surface to be coated. Using a serrated squeegee or notched trowel spread the bead of material at a rate of approximately 40 sq. ft. per gallon (3.68 m <sup>2</sup> ). Apply as evenly as possible. The material should flow out and does not require back rolling in most cases.
<b>Critical Recoat Time</b>	Apply subsequent coats of Sikafloor 265 and other Sikafloor products within 48 hours (under normal curing conditions (75°F, 23°C, 50% RH). If the recoat window is missed abrade floor using 80 grit screen, prior to subsequent coats.
<b>Limitations</b>	<ul style="list-style-type: none"> <li>■ Minimum/Maximum substrate temperature: 60°F/85°F (15.5°C/30°C).</li> <li>■ Minimum/Maximum relative humidity: 15%/85%.</li> <li>■ Substrate temperature must be at least 5°F (3°C) above measured dew point.</li> <li>■ Conduct quantitative anhydrous calcium chloride testing in accordance with ASTM-F1869. Maximum acceptable test result is 3 pounds per 1,000 ft<sup>2</sup> per 24 hours. Determine the surface moisture content by using an impedance moisture meter designed for use on concrete as detailed in ASTM E-1907. Acceptable test results shall be 4% by mass or less. If over, use Sikafloor EpoCem 81/82 or Sikafloor Vapor Block.</li> <li>■ Freshly applied Sikafloor 265 should be protected from dampness, condensation and water for at least 24 hrs.</li> <li>■ Do not thin this product. Addition of thinners will slow down the cure and reduce the ultimate properties of this product.</li> <li>■ This product is not designed for exterior use, immersion, or any use where moisture can reach the underside of the resurfacers.</li> <li>■ Will discolor over time when exposed to sunlight (UV) and under certain artificial lighting conditions. UV resistant, light stable topcoats are available where ultimate color/clarity retention is required.</li> </ul>
<b>Caution</b>	<p><b>COMPONENT R: WARNING: IRRITANT, SENSITIZER.</b> Contains Epoxy Resins (Mixture). Harmful if inhaled. May cause eye/skin/respiratory irritation. May cause skin/respiratory tract sensitization. Harmful if swallowed.</p> <p><b>COMPONENT H: WARNING: CORROSIVE, IRRITANT, SENSITIZER.</b> Contains Amines (Mixture). May cause respiratory irritation. Causes burns to eyes and skin. May cause skin/respiratory tract sensitization. May be corrosive to mouth, throat, and stomach. May cause irritation if swallowed. Deliberate concentration of vapors of 'R' &amp;/or 'H' components for purposes of inhalation is harmful and can be fatal. <b>Strictly follow all usage, handling and storage instructions.</b></p>
<b>First Aid</b>	<p><b>Eyes</b> – Hold eyelids apart and flush thoroughly with water for 15 minutes. <b>Skin</b> – Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. <b>Inhalation</b> – Remove to fresh air. <b>Ingestion</b> – Do not induce vomiting. Dilute with water. <b>Contact physician. In all cases contact a physician immediately if symptoms persist.</b></p>
<b>Handling and</b>	Avoid direct contact. Wear personal protective equipment (chemical resistant goggles/gloves/clothing) to prevent direct contact with skin and eyes. Use only in well ventilated areas. Open doors and windows during use. Use a properly fitted NIOSH respirator if ventilation is poor. Wash thoroughly with soap and water after use. Remove contaminated clothing and launder before reuse.



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<b>Clean Up</b>	Avoid contact. Wear chemical resistant clothing/gloves/goggles. In absence of adequate ventilation; use a properly fitted NIOSH respirator. Uncured material can be removed with approved solvent. Follow solvent manufacturer's instructions for use and warnings. Cured material (when Component R combined with Component H) can only be removed mechanically. In case of spill, ventilate area and contain spill. Collect with absorbent material. Dispose of in accordance with current, applicable local, state, and federal regulations.	
<b>Additional Info</b>	Technical Data Sheets are updated periodically. To ensure the most current version is being used, visit Technical Resources on <a href="http://www.sikafloorusa.com">www.sikafloorusa.com</a> . Proper material application is the responsibility of the user. Site visits made by Sika personnel are for making technical recommendations only and not for supervising or providing quality control. Before applying for protection against specific chemical environments, consult Chemical Resistance Guide or Sika Technical Service.	
<b>Trouble Shooting</b>	<b>Problem Observed</b>	<b>Possible Causes</b>
	Fisheyes	Oil Contamination; Improper substrate cleaning; Mold Release Agents; Improper Mixing.
	Peeling From Substrate	Insufficient preparation process; Oil impregnation; Moisture in concrete.
	Peeling Between Coats	Past critical recoat time; Contamination between coats.
	Coating Soft, Dulling	Improper mixing; Use of thinner in product; Extreme weather conditions.
	Slow Cure	Low floor and ambient temperatures; Use of thinner in product; Improper mixing; Product applied too thin.
	Fast Cure	High floor and ambient temperatures.
	Bubbling	High temperatures and or direct sunlight exposure; Excessive substrate outgassing due to rising temperatures; Working product past pot life; Improper mixing overworked the product.

**KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • FOR INDUSTRIAL USE ONLY**

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Sika warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Technical Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKASHALL NOT BELIEABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKASHALL 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.**

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1-800-933-SIKA NATIONWIDE

**Regional Information and Sales Centers.** For the location of your nearest Sika sales office, contact your regional center.

**Sika Corporation**  
201 Polito Avenue  
Lyndhurst, NJ 07071  
Phone: 800-933-7452  
Fax: 201-933-6225

**Sika Canada Inc.**  
601 Delmar Avenue  
Pointe Claire  
Quebec H9R 4A9  
Phone: 514-697-2610  
Fax: 514-694-2792

**Sika Mexicana S.A. de C.V.**  
Carretera Libre Celaya Km. 8.5  
Fracc. Industrial Balvanera  
Corregidora, Queretaro  
C.P. 76920  
Phone: 52 442 2385800  
Fax: 52 442 2250537

