

## Sikafloor® 206

### High Solids Epoxy with Cycloaliphatic Amine Blend

<b>Description</b>	Sikafloor 206 is a three-component coating system based on a high solids epoxy resin system. Sikafloor 206 is highly thixotropic, the cured coating will have a high gloss finish with an orange peel texture. A cycloaliphatic amine-blend curing agent provides good adhesion, physical and chemical resistant properties.
<b>Where to Use</b>	<ul style="list-style-type: none"> <li>■ Provides unsurpassed protection for concrete surfaces, keeping them smooth, bright and more resistant to chemical attack</li> <li>■ Functions as a single coat coating on Sikafloor resurfacers especially 1/4" (6 mm) systems.</li> </ul>
<b>Advantages</b>	<ul style="list-style-type: none"> <li>■ Excellent abrasion resistance</li> <li>■ Excellent impact resistance</li> </ul>
<b>Chemical Resistance</b>	Please refer to the Sikafloor 206 chemical resistance guide or contact Sika Industrial Flooring Technical Service for specific chemical recommendations.

#### How to Use

<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. It is also possible that the texture of the "shot-blast" pattern may show through the last coat. This is known as "tracking". 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 107 primer.
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#### Typical Data

<b>Shelf Life</b>	2 years in original unopened container under proper storage conditions. Store dry between 40° - 90°F (5° - 32°C).		
<b>Coverage</b>	The theoretical coverage is: 4.0-gallon kit = 800-1070 sq. ft. (74-99 sq. m.) 1.4-gallon kit = 280-375 sq. ft. (26-35 sq. m.)		
<b>Abrasion Resistance</b>	ASTM D 4060 Taber Abraser 1000 gm. load per wheel CS-17 Wheels 75-85 mgs. /1000 cycles		
<b>Impact Resistance</b>	ASTM D 2794 Gardner	80 in.-lbs. (89.6 cm.-kg.) direct and reverse	
<b>Flexibility</b>	ASTM D 522 Conical Mandrel	1/8 in. (0.3 mcm) passes test	
<b>Hardness</b>	ASTM D 3363 Pencil	2B	
<b>Adhesion</b>	Concrete failure (ASTM D 4541 Elcometer)	Concrete: 350 psi (2.4 MPa)	
<b>Gloss</b>	(60°) 90		
<b>VOC (g/l)</b>	ASTM D2369-07	16.3 g/l	

#### Working Time & Recoat Limits

Temperature	Working Time	Recoat Time Minimum	Recoat Time Maximum
	55°F (13°C)	35 minutes	12-16 hours
73°F (23°C)	25 minutes	8-10 hours	36 hours
90°F (32°C)	20 minutes	6-8 hours	24 hours
	<b>@ 60°F (15°C)</b>	<b>73°F (23°C)</b>	<b>90°F (32°C)</b>
<b>For minimum foot traffic</b>	16-24 hours	10-12 hours	8-10 hours
<b>For moderate foot/tow motor traffic</b>	20-24 hours	16-24 hours	10-14 hours
<b>Complete cure</b>	168 hours	120 hours	72 hours

Packaging Component		Container Size	Code
<b>4.09-gallon (15.5 liters) Pigmented Kit</b>	Part R Resin	5-gallon (18.9 liters)	EP2-TB1-B/5
	Color Pack	1-quart (0.9 liters)	EP-xxxCP1/Q*
	Part H Activator	1-gallon (3.8 liters)	CA-012-A/1
<b>1.4-gallon (5.3 liters) Pigmented Kit</b>		<b>Container Size</b>	<b>Code</b>
	Part R Resin	2-gallon (7.6 liters)	EP2-TB1-B/2
	Color Pack	1-pint (0.5 liters)	EP-xxxCP1/P*
	Part H Activator	½-gallon (1.9 liters)	CA-012-A/HG

\* Depending on the color chosen, 1 or 2 of color packs may be required. (In the event that the 1.4-gallon kit requires two color packs, one quart will be supplied instead of two pints.)



<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 this coating has a limited pot life. Therefore it is recommended to check and make sure everything is in order before starting the mixing sequence.</p> <ol style="list-style-type: none"> <li>Carefully empty the contents of the Part "H" Hardener entirely into the can of Part "R" Resin. The Part "R" container is oversized to allow for easy mixing.</li> <li>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. Make sure the contents are completely mixed to avoid any weak or partially cured spots in coating. During the mixing operations, scrape down the sides and bottom of the container with a flat or straight edge trowel at least once to ensure complete mixing. Mix only that quantity that can be used within its pot life.</li> </ol>
<b>Application</b>	<p>Divide the floor into sections that can be completed without stopping. Divide sections at expansion joints or doorways when possible. Tape-off the ending of a section to form a straight line providing a clean edge for an adjacent section.</p> <p>This product should be applied by first pouring a bead of material in the form of a ribbon on the surface to be coated. The material should not be left in the container too long because it will set faster thus reducing the pot life. Using a notched squeegee, flat squeegee, or trowel spread the poured material at a rate of approximately 200 to 270 sq. ft. (18.59 to 25.10 m<sup>2</sup>) per gallon. Apply as evenly as possible, working from left to right, and then back. Back roll using a high quality 3/8" nap roller. Back roll the Sikafloor 206 only to level the thickness of applied material. Over-rolling may cause bubbling or color separation by leaving thick or thin sections.</p>
<b>Limitations</b>	<ul style="list-style-type: none"> <li>Minimum/Maximum substrate temperature: 60°F/90°F (15°C/32°C).</li> <li>Maximum relative humidity: 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>Do not use on exterior, on-grade substrates.</li> <li>Freshly applied Sikafloor 206 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 the cure and reduce the ultimate properties of this product. Critical recoat times will also be affected.</li> <li>This product is not designed for exterior use, immersion, or any use where moisture can reach the underside of the resurfacer.</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). Eye/respiratory irritant. Prolonged and/or repeated contact with skin/respiratory may cause allergic reaction/sensitization. Harmful if swallowed.</p> <p><b>COMPONENT H: WARNING: CORROSIVE, IRRITANT, SENSITIZER.</b> Contains Amines (Mixture). Contact with skin/eyes/digestive tract causes burns. Respiratory irritant. May cause eye/skin irritation. Possible skin/respiratory sensitization/allergic reaction with prolonged or repeated exposure. Harmful if swallowed.</p> <p>Deliberate concentration of vapors of 'R' &amp;/or 'H' components for purposes of inhalation is harmful and can be fatal. <b>Strictly follow all use, 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. Contact physician. <b>In all cases, contact a physician immediately if symptoms persist.</b></p>
<b>Handling &amp; Storage</b>	<p>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 laundry before reuse.</p>



# Industrial Flooring

<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.	
<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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