

Sikafloor® 130

General Purpose Resurfacer

Description	Sikafloor 130 resurfacer is a monolithic epoxy floor topping primarily designed for power troweling. It is also suitable for patching floor irregularities. The minimum application thickness is 3/16". Sikafloor 130 is ideal for restoring old or worn concrete or as a protective overlay on new concrete.
Where to Use	Designed for overlaying new and resurfacing worn concrete floors in light to heavy duty industrial application. For Facilities requiring a dense surface with high abrasion and impact resistance, and in need of a higher compressive, tensile, and flexural strength. Areas exposed to industrial traffic from steel wheeled carts and forklift trucks
Advantages	<ul style="list-style-type: none"> ■ Pre-proportioned batches ■ Product may be trowel-applied as supplied ■ Formulated for easy application ■ Protects new concrete from abuse ■ Rejuvenates worn surfaces, to a smooth finish ■ Good abrasion and impact resistance
Chemical Resistance	Please refer to the Sikafloor 130 chemical resistance guide or contact Sika Industrial Flooring Technical Service for specific chemical recommendations at 800-933-SIKA.
How to Use	
Surface Preparation	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 Primer.
Priming	Sikafloor 207 should be applied at 275-300 sq. ft. (6.75 - 7.36 m ²) per gallon, over damp or dry concrete. Rough concrete surfaces will result in reduced coverage. Trowel Sikafloor 130 into the wet primer, or lightly broadcast the primer with 50 mesh sand at 0.10 to 0.25 lbs per square foot and allow to cure (varies with temperature and humidity) until tack free and clear in appearance before applying the mortar.

Typical Data

Shelf Life	Two years in original unopened containers under proper storage conditions. Store dry between 40° - 90°F (5° - 32°C).	
Cure Rate	Substrate at 73°F (23°C), 50% R. H. Applied at 3/16 inches	
Tack Free	6- 8 hours	
Dry Hard	8-12 hours	
Full Cure	5-7 days	
VOC (g/l)	ASTM D2369-07	20.4 g/l

Physical Properties

Compressive Strength	10,000 psi (ASTM C-579 Method A)
Tensile Strength	2000 psi (ASTM C-307)
Flexural Strength	3200 psi (ASTM C-580)
Modulus of Elasticity	1.91 x 10 ⁶ psi (ASTM C - 580)
Coefficient of Thermal Expansion	1.2 x 10 ⁻⁵ in./in./°F (ASTM C-531)
Abrasion Resistance	H - 10 Wheels 400 mgs. /1000 cycles (ASTM D 4060 Taber Abraser 1000 gm. load per wheel) film thickness lost during 1000 cycles = 0.015 in
Effective Shrinkage	passes test (ASTM C-883)
Thermal Compatibility	passes test (ASTM C-884)
Flammability	Self-extinguishing (ASTM D-635)
Adhesion - Concrete	>400 psi (2.4 MPa) - concrete failure (ACI 503R, Appendix A)
Water Absorption	<0.1% (ASTM C-413)

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	@ 60°F (15°C)	73°F(23°C)	90°F (32°C)
For minimum foot traffic	12-16 hours	8-10 hours	6- 8 hours
For moderate foot/tow motor traffic	20-24 hours	12-16 hours	8-10 hours
Complete cure	168 hours	120 hours	72 hours

WORKING TIME AND RECOAT LIMITS:

Temperature	Working Time	Recoat Time Minimum
60°F (15°C)	25 minutes	12 hours
73°F (23°C)	15 minutes	8 hours
90°F (32°C)	10 minutes	4 hours

Packaging: Sikafloor 130, conveniently packaged in kit form, is a five-component, 100% reactive epoxy resin system. The mix ratio is 2.0 parts resin (CM-060-B Part B) to 1 part activator (CM-067-A Part A) to 7.5 parts aggregate F-61 Part E and 7.5 parts aggregate F-70 Part F by volume.

Standard packaging consists of:

Component	Container Size	Code
65-Square Foot Kit @ 3/16"		
Part R Resin	1-gallon (3.8 liters)	CM-060-B/1
Part H Activator	1/2-gallon (1.9 liters)	CM-067-A/HG
Part C Color Pack	1/2-pint (0.3 liter)	CCP-xxx/HP*
Part D Aggregate	1 bag (50 lbs.)	F-61/50
Part E Aggregate	1 bag (50 lbs.)	F-70/50
130-Square Foot Kit @ 3/16"		
Part R Resin	2-gallons (7.6 liters)	CM-060-B/2
Part H Activator	1-gallon (3.8 liters)	CM-067-A/1
Part C Color Pack	1-pint (0.6 liter)	CCP-xxx/P*
Part D Aggregate	2 bags (50 lbs. each)	F-61/50
Part E Aggregate	2 bags (50 lbs. each)	F-70/50
Drum Quantities		
Part R Resin	55-gallon (208.2 liters)	CM-060-B/55
Part H Activator	55-gallon (208.2 liters)	CM-067-A/55
Part C Color Pack	5-gallon (19.9 liters)	CCP-xxx/5
Aggregate bag(s)	(50 lbs.)	F-61/50
Aggregate bag(s)	(50 lbs.)	F-70/50

Mixing

Do not mix more material than can be applied within the working time limits at the actual field temperature. Sikafloor 130 is available prepackaged in 2-gallon and 1-gallon cans or in bulk (55-gallon drums). For bulk packaging when not mixing full units each component must be pre-mixed separately to ensure product uniformity. Using the prepackaged 130-sq. ft. unit, use the following mixing sequence Open the Part R can and pour into the running mortar mixer. Immediately add the Part H and Color Additive Can. Mix for 30 seconds then add the F-61 sand and the bags of F-70 sand. Mix these components for 2.5 minutes. Immediately transfer the materials onto the floor or into the screed box for application. Do not let the materials sit in the mixer, screed box or on the floor. The working time of the material begins once the components have been added to the mixer. The longer these materials set before hand troweling and/or power troweling, the stiffer they will become.

Application

Pour Sikafloor 130 in a line on the floor, spread and hand trowel or if using a screed box, pull the box across the wet primer overlapping approximately 1 inch. The hand troweled or screed box applied material can then be power troweled. The power trowel will compact the material, remove voids and make the floor smooth and dense. (Excessive power troweling will cause blisters.)

Sikafloor 130 has a very wet consistency. To finish areas inaccessible to a power trowel, use light "feathering" strokes with a hand trowel to smooth the surface.

When Sikafloor 130 has cured, the surface should be lightly ground or sanded to remove any burrs or surface defects then sweep or vacuum. Sikafloor 130 is ready to be top coated.

Limitations

- Minimum/Maximum substrate temperature: 60°F/85°F (15.5°C/30°C).
- Maximum relative humidity: 85%.
- Substrate temperature must be at least 5°F (3°C) above measured dew point.
- Conduct quantitative anhydrous calcium chloride testing in accordance with ASTM-F1869. Maximum acceptable test result is 5 pounds per 1,000 ft² 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.
- Do not use on exterior, on-grade substrates.
- Terminate at shoulders cut into substrate, avoid feather-edging.
- Freshly applied Sikafloor 130 Mortar Screed should be protected from dampness, condensation and water for at least 24 hrs.
- Do not thin this product. Addition of thinners will slow the cure and reduce the ultimate



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properties of this product.

- This product is not designed for exterior use, immersion, or any use where moisture can reach the underside of the resurfacer.
- 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.

Caution	COMPONENT R: WARNING - IRRITANT, SENSITIZER: Contains Epoxy Resins (Mixture). Can cause eye/skin/respiratory irritation. May cause skin sensitization after prolonged contact. Harmful if swallowed. WARNING: This product contains a chemical known to the State of California to cause cancer. COMPONENT H: WARNING: CORROSIVE, SENSITIZER, IRRITANT. Avoid direct contact. Contains Amines (Mixture). Corrosive to eyes/skin/digestive tract. Can cause severe burns to eyes/skin/digestive tract. Irritating to respiratory system. Harmful if swallowed. Harmful in contact with skin. May cause skin sensitization after prolonged contact. Deliberate concentration of vapors of 'R' &/or 'H' components for purposes of inhalation is harmful and can be fatal. Strictly follow all usage, handling and storage instructions.
First Aid	Eyes – Hold eyelids apart and flush thoroughly with water for 15 minutes. Skin – Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. Inhalation – Remove to fresh air. Ingestion – Do not induce vomiting. Dilute with water. Contact physician. In all cases contact a physician immediately if symptoms persist.
Handling and Storage	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. Poor ventilation may allow amine fumes to build up in the facility. The building should have proper ventilation to ensure the movement of air throughout, leaving no stagnant 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.
Clean Up	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.
Additional Info	Technical Data Sheets are updated periodically. To ensure the most current version is being used, visit Technical Resources on www.sikafloorusa.com . 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.

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

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