

Sikafloor® 215 Satin

Clear Epoxy Satin Top Coat

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| Description | Sikafloor 215 Satin flooring is a two-component, high solids, tough and chemical resistant epoxy coating. It is designed for satin topcoat applications on concrete floors subject to abrasion and/or chemical spills. Sikafloor 215 Satin can be utilized in a wide variety of environments where low odor is required. |
| Where to Use | <ul style="list-style-type: none"> ■ Light industrial or commercial floors ■ Trowel applied decorative systems ■ Maintenance garages ■ Warehouses & storage areas |
| Advantages | <ul style="list-style-type: none"> ■ High Solids/Low Odor ■ Good chemical and abrasion resistance ■ Easy to maintain surface ■ Satin finish |

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. 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.

Mixing For bulk packaging when not mixing full units each component must be pre-mixed separately to ensure product uniformity. Premix the Sikafloor 215 Satin Resin and Sikafloor 215 Satin Hardener separately using a low speed "Jiffy Mixer" (300-450 rpm).

1. Add 3 parts Sikafloor 215 Satin Resin and 1 part Sikafloor 215 Satin Hardener by volume to a clean mixing pail.
2. 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.

Typical Data

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| Colors | Clear Satin |
| Coverage | Recommended DFT at 400 sq. ft. per gallon: 4.0 mils |
| Working Time | Approx. 35 minutes @ 75°F (24° C) and 50% relative humidity |
| Recoat Time @ 75°F (24° C) | 12-24 hours. After 24 hours, screen before recoating |
| Pot Life @ 75°F (24° C) | 35 minutes at 75°F (24°C) and 50% RH |
| Cure Rate @ 75°F (24° C) | 12-14 hours – foot traffic 24 hours – light traffic 72 hours – heavy traffic and/or chemical spills |
| Shelf-Life | 18 months in original unopened container under proper storage conditions. Store dry between 40° - 90°F (5° - 32°C). |
| Hardness (ASTM D-2240): | 80 |
| VOC (g/l) | ASTM D2369-07 63.9 g/l |

Packaging: Sikafloor 215 Satin is packaged in pre-proportioned 4 gallon kits for easy jobsite mixing. Each 4 gallon kit consists of one gallon of Part "H" Hardener in a one gallon can packed in a corrugated carton (two per carton) and three gallons of Part "R" Resin in a 5 gallon pail short filled to serve as the mixing vessel. Must order in multiples of two kits (8 gallons total), one carton containing two Part H's and two short filled pails of Part R.



Industrial Flooring

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| Application | Sikafloor 215 Satin may be applied utilizing a high quality 1/4"-3/8" roller or by trowel/squeegee and backrolling. Apply at a rate of 400 sq.ft./gal. Apply evenly to obtain uniform texture. |
| Critical Recoat Time | It is important to apply subsequent coats of this and other products within 12 to 24 hours (under normal curing conditions). If Sikafloor 215 Satin is allowed to cure longer than the 24 hours before subsequent recoats, screening will be necessary. The floor surface should be screened to the effect that a uniform dullness is achieved. There should be no gloss present on the floor before applying the next coat. |
| Limitations | <ul style="list-style-type: none">■ 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 3 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.■ Do not exceed 6 wet mils when applying this product. Foaming of the film will occur.■ Freshly applied Sikafloor 215 Satin 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 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 | <p>COMPONENT R: WARNING - IRRITANT, SENSITIZER: Contains epoxy resins, Nonyl Phenol (CAS 25154-52-3). Eye irritant. May cause skin/respiratory irritation. Prolonged and/or repeated contact with skin may cause allergic reaction/sensitization. Deliberate concentration of vapors for purposes of inhalation is harmful and can be fatal. Harmful if swallowed. Strictly follow all use, handling and storage instructions.</p> <p>COMPONENT H: WARNING: CORROSIVE, SENSITIZER, IRRITANT. Contains amines (mixture). Contact with skin and eyes causes severe burns. Respiratory irritant. May cause eye/skin irritation. Possible sensitization/allergic reaction with prolonged or repeated exposure. Harmful if swallowed. Deliberate concentration of vapors for purposes of inhalation is harmful and can be fatal. Strictly follow all handling, use and storage instructions.</p> |
| First Aid | <p>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.</p> |
| Handling and Storage | Wear protective equipment (gloves/safety glasses/clothing) to prevent contact with skin and eyes. Keep container closed in a cool dry place. Wash skin thoroughly with soap and water after use. Use with adequate, general and local, exhaust ventilation. In absence of adequate ventilation, use a properly fitted NIOSH respirator. Remove contaminated clothing. Launder before reuse. |
| Clean Up | Avoid direct contact with eyes and skin. Wearing chemical resistant goggles/gloves/clothing, collect spill. Ventilate area. In absence of adequate ventilation, use properly fitted NIOSH respirator. Sweep up spill and place in closed container. Dispose of in accordance with applicable local, state and federal environmental 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. |

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Industrial Flooring

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