

Sika® ComfortFloor Decorative Pro

Description	Sika ComfortFloor Decorative Pro is an ergonomic, sound dampening, low emission floor which is UV stable, aesthetically pleasing, easy to care for and to maintain while contributing to project LEED certification. ComfortFloor Decorative Pro is a 320 mil, seamless, fluid applied urethane floor system comprised of 100% solids urethane adhesive, 5mm recycled pad, pigmented self leveling aliphatic urethane wear course, optional decorative vinyl flake and a wear resistant, clear water based urethane topcoat.
Where to Use	Particularly suitable for all commercial and public buildings including healthcare facilities, schools, retail spaces, laboratories, nursing facilities, showrooms, lobbies, museums and office space. For interior use only.
Advantages	<ul style="list-style-type: none"> ■ Exceedingly low VOC emission ■ Flexible and resilient ■ Excellent acoustic isolation ■ Good mechanical resistance ■ Good UV resistance ■ Reduces footfall sound ■ Attractive, permanent multicolored patterns possible using colored flakes ■ Solvent Free ■ Non shrinking after cure ■ High strength ■ Lower maintenance and life cycle cost versus tile, sheet goods and carpet ■ Uses recycled foam pad comprised of 84% recycled post industrial waste ■ Contains Rapidly Renewable raw material ■ Tough, durable and seamless floor ■ (Optional) Integral cove base and curbs ■ Excellent adhesion in areas with heavy traffic and rolling loads such as carts, gurneys and wheelchairs ■ Use of this Sikafloor system can help contribute to project LEED certification

Typical Data

Chemical Base	PUR
Bond Strength	> 400 psi (concrete failure) (ASTM D-4541)
Hardness	≤ 80 (14 days / +23°C) (ASTM D-2240, Shore A)
Impact Resistance	>160 in/lbs (ASTM D-4226)
Force Reduction on Impact	21% (ASTM F2569)
Impact Sound Reduction	17 dB (ISO 140-8)
Impact Insulation Class (IIC)	53 (8" slab no ceiling) (ASTM E492-09/ASTM E989-06) 72 (w/1 layer 5/8" gypsum board ceiling) (ASTM E492-09/ASTM E989-06)
Increased Impact Insulation (ΔIIC)	23 (ASTM E2179)
Sound transmission Class (STC)	55 (ASTM E90-04/ASTM E413-04)
Noise Reduction Coefficient (NRC)	.05 (ASTM C423-09A/ASTM E795-05)
Crack Bridging/Elongation	passed (ASTM C-1305)
Elongation at Break	70%
VOC Content	Comfort Adhesive - 0 g/l Comfort Porefiller - 0 g/l Sikafloor 300N - 2 g/l Sikafloor 304W - 69 g/l
Closed Chamber Emission	Passed (California 01350 - 14 day)
Closed Chamber Emission	Passed (ISO 16000-6 - 28 day)
Physiological Harmlessness	Passed (DIN EN 71 Teil 3)
Gloss of 304W Topcoat	5-15 (ASTM D-523, 60°)
Coefficient Of Friction	> 0.60 (ASTM D-2047)
Resistance to Chair Castors	No damage (EN 425)
Abrasion Resistance	≤ 0.05gm (CS-17, 1000 gms, 1000 cycles) (ASTM D-4060)
Installed Thickness	280 - 320 mils (7 - 8 mm)
Static Load Limit / Residual Indentation	≤ 0.009 in (800 lb load) (ASTM F-970)
Flammability	Class I (ASTM E-648)
Smoke Density	<450 (ASTM E662)
Resistance to Heat	Δ E 0.12 (7 days at 158°F/70°C) (ASTM F-1514)
Compatibility w/Underfloor Heating Systems	Very good
Thermal Insulation	Very good
Cure Rate	Light Foot traffic - 12 hours Normal operations - 48 hours
Shelf Life:	When stored in recommended storage conditions, in original factory sealed cans, shelf life is 1 year.
Packaging:	Liquid components are packaged in pre-proportioned kits. Shock pads are provided in rolls.
Colors:	Refer to Sika ComfortFloor Color Card.

Chemical Resistance	Sika ComfortFloor Decorative Pro must be sealed with Sikafloor 304 W or another suitable Sikafloor topcoat. For chemical resistance of the system, please consult the appropriate topcoat chemical resistance chart by visiting www.sikafloorusa.com or contacting Sika Technical Service at 1-800-933-SIKA.
How To Use	
Surface Preparation	Concrete substrates must be sound and of sufficient compressive strength 3,625 psi (minimum 25 N/mm ²) with a minimum pull off strength of 217 psi (1.5 N/mm ²) prior to application of Sika ComfortFloor Pro. Surface must be clean, sound and dry. Remove dust, laitance, grease, curing compounds, bond inhibiting impregnations, waxes, coatings, surface treatments, and any other contaminants. If in doubt, apply a test area first. Sweep and vacuum any dirt, dust, loose and friable material from all surfaces before application of the product. Removing residual dust will help ensure a tenacious bond between the adhesive and substrate. All projections, rough spots, high spots, etc., should be dressed off to achieve a level surface prior to the application. Weak, loose or unsound concrete must be removed and surface defects such as blowholes and voids must be fully exposed. Concrete substrates and cementitious screeds with poor surface quality must be prepared mechanically using abrasive blast cleaning or scarifying equipment to achieve a sound, open textured surface. Concrete quality significantly affects the performance of the system. If concrete quality is in question, it is recommended that the slab be shotblasted and primed with Sikafloor 107 prior to application of the ComfortFloor Adhesive. Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate products from the Sikafloor, Sikadur and Sikagard range of materials prior to application of the pad adhesive.
Application	Please refer to component technical data sheets for specific information regarding the following products. Sika ComfortFloor Adhesive: Sika ComfortFloor Adhesive is poured and spread evenly by means of a serrated trowel while kneeling at a coverage rate of approximately 85 square feet per gallon. Sika ComfortFloor Regupol 4580: Sika ComfortFloor Regupol 4580 shockpad should be cut to the necessary length and rolled into the wet adhesive. Press down the shockpad with a 75 to 100 pound linoleum roller once the Sika ComfortFloor Adhesive has begun to tack. Sika ComfortFloor Porefiller: Sika ComfortFloor Porefiller is poured and spread evenly by means of a flat edged, flexible trowel or spring steel trowel while kneeling. The coverage rate will vary due to substrate porosity. Average consumption is approximately 100 square feet per gallon. Ensure sufficient material is applied to seal the surface of the shockpad or you will get run through of the self leveling material causing dry spots, blowholes, pinholes or bubbles. Sikafloor 300N: Sikafloor 300N is poured and spread evenly using a two step process at a thickness of 80 mils by means of a serrated trowel, Swedish knife, pin rake or gauge rake. Sikafloor 300N is rolled immediately (within 10 minutes of application) in two directions with a spiked roller to ensure even thickness and to remove entrapped air. Spike rolling after 10 minutes may result in surface blemishes or lack of level in the finished film. If flakes are to be applied, broadcast them at this time using a consistent upward throw. Sikafloor 304 W and Sikafloor 305 W: Measure and mark the area to ensure consistent coverage of each kit of topcoat at 5 wet mils. Over or under application of the topcoat may result in inconsistencies in the finish. Pre-coat the edge areas with brush and small roller. Ensure maintenance of a wet edge. Sikafloor 304 W is poured onto the substrate. The product is spread on the substrate in the pouring direction with a ½" or 3/8" lambskin roller and with the same roller across the pouring direction. Use the roller and extend the overlap for pour to pour consistency.
Critical Recoat Time	Consult specific product data sheets for recoat times.
Tooling & Finishing	A seamless finish can be achieved if a "wet" edge is maintained during application.
Removal	Clean all tools and application equipment with solvent immediately after use. Hardened and/or cured material can only be removed mechanically. Strictly follow solvent manufacturer's warnings and instructions for use.
Limitations	<ul style="list-style-type: none"> ■ Do not apply ComfortFloor Decorative Pro on substrates with rising moisture. ■ Do not apply on substrate surfaces with a slope > 1%. ■ Freshly applied ComfortFloor Decorative Pro must be protected from damp, condensation and water for at least 24 hours. ■ Uncured material reacts in contact with water which will result in foaming. During application, care must be taken that no condensation drops into freshly applied components of the ComfortFloor systems. ■ The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking. ■ For exact color matching, ensure the Sikafloor 300N in each area is applied from the same control batch number. ■ Under certain conditions, underfloor heating or high ambient temperatures combined with high point loading, may lead to imprints in the resin. ■ If heating is required to bring the substrate and environment temperature to recommended levels, use only electric powered air blower systems. Do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both carbon dioxide and water vapor, which may adversely affect the finish. ■ If there us any question as to whether or not the product will adhere to an existing coating or surface, a test patch should be applied and evaluated for compatibility and adhesion. ■ Topcoat application by roller may result is surface texture when using standard coverage rates. If a smoother finish is required, apply the product utilizing spray equipment. ■ Ensure the entire surface is cured prior to introducing traffic onto the newly applied topcoat. Product which has not fully cured may scratch. ■ Good ventilation is required for Sikafloor 304 W to cure properly. ■ Gloss is affected by fluctuations in temperature and humidity. Substrate Temperature: 50°F (+10°C) min. / 86°F (+30°C) max. Ambient Temperature: 50°F (+10°C) min. / 86°F (+30°C) max.



	<p>Substrate Moisture Content: May only be used when an effective moisture vapor retarder exists under the concrete per ACI 302.2R with moisture vapor emission rate using the anhydrous calcium chloride test per ASTM 1869 at <5 pounds per 1,000 ft² per 24 hours and slab relative humidity per ASTM F2170 is $\leq 80\%$ or the surface moisture content using an impedance moisture meter designed for use on concrete per ASTM E-1907 is 4% by mass or less. If the results exceed the above, use Sikafloor 1610 or Sikafloor Epocem 81/82. Contact Sika Technical Services for further recommendations.</p> <p>Relative Air Humidity: 80% r.h. max.</p> <p>Dew Point: Beware of condensation! The substrate and uncured floor must be at least 5°F (3°C) above dew point to reduce the risk of condensation or blooming on the floor finish.</p>
Caution	<p>PART R: CAUTION: IRRITANT, SENSITIZER. Contains: Castor Oil (CAS: 8001-79-4), Epoxy Resin (CAS: 25068-38-6). May cause eye/skin irritation. May be harmful if inhaled/swallowed. May cause skin sensitization.</p> <p>PART H: WARNING: IRRITANT, SENSITIZER. Contains Hexamethylene Diisocyanate Polymer (CAS: 28182-81-2) and Hexamethylene diisocyanate (HDI) (CAS: 822-06-0). Causes eye/skin/respiratory irritation. Harmful if swallowed. May cause skin/respiratory sensitization.</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 & Storage	<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 launder before reuse</p>
Clean Up	<p>Use personal protective equipment (chemical resistant gloves/goggles/clothing). Without direct contact, sweep up spilled or excess product and place in suitable sealed container. Dispose of excess product and container in accordance with applicable local, state, and federal regulations.</p>
Additional Info	<p>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.</p>

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