

# Industrial Flooring

## CLEARSHIELD SATIN (LOW SHEEN)

High-performance water-based polyurethane coating

**Description:** Eco-CorFlex's ClearShield Satin (Low Sheen) is a clear, single-component, high-performance, water-based polyurethane coating. When applied as a topcoat over existing, epoxy coatings, ClearShield Satin is specifically formulated to protect and seal interior residential and commercial floors where clarity, durability, and a soft satin appearance are desired. (This product is not recommended as a topcoat for garages, driveways or any exterior application). Once applied, ClearShield Satin provides slip resistance, powerful resistance to abrasions, UV light, and mold formation..

**Areas of Usage:** ClearShield Satin (Low Sheen) is suitable as a clear topcoat for application in interior spaces over existing epoxy coatings. Ideal for use in living rooms, dining rooms, vestibules, stairs, playrooms, restaurants, retail stores, shopping malls, offices, hotels, schools and gymnasiums.

<b>Features / Advantages:</b>	Single-component sealant	Excellent UV resistance
	Low sheen (40% reflection)	Excellent elongation
	Solvent-free	Non-yellowing
	Slip resistance (ASTM D-2047)	Mold resistance
	High abrasion resistance	Easy maintenance
	Low VOC and low odor	Non-flammable

**Surface Preparation:** For a surface coated with epoxy, ensure that the surface is cured and dry. Before applying ClearShield Satin (Low Sheen), all surfaces must be:

- Dry - No wet areas (<4%)
- Clean - Free of any contaminants, grease, oil, paint, curing agents, dust, loose coating, and remove any other contaminants that could prevent good adhesion.

**Technical Data:** Note: Data / results may differ due to statistical variations, mixing methods and equipment, temperature, application methods, actual site conditions and curing conditions

**Packaging:** ClearShield Satin (Low Sheen) is provided in 1-gallon containers only.

**Mixing Ratio:** ClearShield Satin (Low Sheen) is a single component product. The product is to be used as is (no reducing with solvent required). Refer to the "Mixing" instructions of page 3 of this TDS.

**Application:** Using a high-quality 3/8-inch nap roller and polyester brush. ClearShield Satin (Low Sheen) is for use on both horizontals and verticals. Refer to the "Application Procedure" on page 3. A 1-gallon container of ClearShield Satin can cover up to a maximum of 600 sq ft per gallon.

**Average Dry Time at 77°F (25°C):** Dry times vary depending upon weather conditions. **Touch:** 1 hour. **Recoat:** 3-4 hours with ventilation; 6-8 hours without ventilation. **Light Traffic:** 4-6 hours with ventilation; 12-24 hours without ventilation. **Full Cure:** 7 days.

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<b>Technical Data (Cont.):</b>	<i>Data / results may differ due to statistical variations, mixing methods and equipment, temperature, application methods, actual site conditions and curing conditions</i>
Description:	<b>ClearFinish Satin (Low Sheen)</b> is a high-performance, water-based polyurethane coating developed for light- to heavy-traffic interior applications where clarity, durability, and a soft satin appearance are desired. This premium coating enhances epoxy and/or polyaspartic coated surfaces with a low-sheen (40% reflection) satin finish, delivering excellent protection, smooth application, and an elegant, understated aesthetic.
Reducing:	<b>ClearFinish Satin (Low Sheen)</b> is a single component product. No dilution or reducing with solvents is required.
Finish:	Low sheen satin finish
Colors:	Clear; low and non-offensive odor
% Solids:	30% (by weight); 27% (by volume)
Pigment Type:	Not applicable (clear)
pH:	8.2 ± 0.4
UV Stability:	High UV resistance
Reflection Rate:	Satin = 40%
Volatile Content:	272 g/L
Thickness:	Wet film thickness (WFT): 3–4 mils (applied) Dry film thickness (DFT): 1.5–2 mils after cure
Chemical Resistance:	Excellent
Shore D Hardness	Roughly 65–75 D
Tabor Abrasion (CS17 Wheel):	8 mg (ASTM D4060 with CS-17 abrasive wheel)
Pot Life:	Catalyzed Mix Life = 12 hours
Shelf Life:	12 months at 77°F (25°C) if stored in originally sealed container. Susceptible to freezing.

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**Mixing:** 1. Shake the gallon well. 2. Open it and mix with a drill for 2 minutes. 3. Close the container again and wait for 8 to 10 minutes. 4. Pour it into a pan, and it's ready to use.

**Application Procedure:** Remove dust with a vacuum. NOTE: Sanding is not necessary before the final coat if the time between the last two applications does not exceed 48 hours. **2.** Wash tools with water. **3.** Pour product into a paint tray and soak the roller. **4.** Apply product by rolling evenly (east/west and north/south). To avoid application marks, DO NOT apply pressure on the roller and smooth marks and lines as you go using a flying motion. **5.** Continue this way over the entire surface. **6.** Using the roller, remove excess coating and finish the application by smoothing marks and lines. **7.** Wait 3-4 hours of drying time between coats (may vary depending on ambient conditions and whether the catalyst is used\*). **8.** Clean tools with water.

**Commercial & Residential Applications:**  
(Light-Medium Traffic) 1 coat, (High Traffic) 2 coats

**Handling & Storage:** Store in a cool, dry, well-ventilated area between 10°C and 30°C (50°F and 85°F). Keep containers tightly closed.

• **KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • INDUSTRIAL GRADE • HANDLING & INSTALLATION MUST BE PERFORMED BY ECO-CORFLEX-CERTIFIED APPLICATORS ONLY •**

All information provided by Eco-CorFlex concerning its products, including but not limited to, any recommendations and advice relating to the application and use, is given in good faith based on Eco-CorFlex's current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with Eco-CorFlex SOPs. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of Eco-CorFlex's control are such that Eco-CorFlex assumes no liability for the provision of such information, advice, recommendations or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations or instructions related to its products. The user of Eco-CorFlex product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with the full application. Eco-CorFlex reserves the right to change the properties of its products without notice.

Prior to each use of any Eco-CorFlex product, the user must read and follow the warnings and instructions on the products most current Technical Data Sheet, product label and Material Safety Data Sheet which are available online at [www.ecocorflex.com](http://www.ecocorflex.com) or by calling Eco-CorFlex at 866-406-2628. Eco-CorFlex warrants this product to be free of manufacturing defects and warrants this product to meet the technical properties on the current Technical Data Sheet if used as directed within the shelf life. The user must determine suitability of each product for its intended use and assumes all risks. The buyer's sole remedy shall be limited to the purchase price or replacement of the product *exclusive of labor or cost of labor*.

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