

How-to Apply DCI Single Component Polyurea Countertop Sealer

DCI Single Component Polyurea Countertop Sealer is a clear, fast drying, high gloss single component roll-on, UV-stable, cross-linking polyurea coating suitable for indoor and outdoor use. DCI Single Component Polyurea Countertop Sealer creates a top coat that provides a durable, chemical, impact and abrasion resistant surface for a variety of countertop and smaller concrete project applications. Depending on use, conditions and location, sealer longevity should be between 3-5 years.

Surface Preparation: Surface must be structurally sound, clean, dry, and free of oils, grease and any other bond inhibiting contamination such as rubble, sand or similar debris. Failure to adequately prep the surface could result in the product delaminating from the surface. Form release agents, efflorescence and curing compounds must be removed from the surface prior to application. Concrete surfaces should be profiled to at least a 200-grit level or should readily absorb water before applying to ensure good mechanical bonding. Applying to hot concrete surfaces 85-90F or above, such as a countertop in the sun, will result in premature drying and a poor finish. To avoid a milky or cloudy appearance, do not apply to damp concrete or use wet applicators. Do not apply in periods of high humidity or when precipitation is expected during application or until drying time is complete.

Equipment Needed: One non-shedding hand-held 3/16" nap solvent-resistant roller, duct or packing tape for defuzzing roller, and one paint tray. Use a HVLP Gravity Feed Spray Gun for spraying.

Application: DCI Single Component Polyurea Countertop Sealer can be thinned with 10% mineral spirits for easier application and spraying. Apply one 4-5 ml thick coat using a 3/16" nap roller. Thoroughly "de-fuzz" the roller prior to application using duct or packing tape. Roll the product up and back **one time** and allow to self-level. The material may be squeegeed for a smoother finish, but avoid overworking or streaks may appear. Product can be sprayed using an airless sprayer or a HVLP Gravity Feed Spray Gun for a finer finish. Thin the sealer with odorless mineral spirits up to 10% to spray. Keep dust and debris from landing on a wet surface. Once the can has been opened, the product should be used as soon as possible. At 75F and 50% humidity, allow to cure for 48-72 hours before use. **USE IN A WELL VENTILATED AREA.** Wear respiratory equipment during application when spraying and/or working in confined spaces.

To achieve good mechanical bonding, surfaces sealed with polyurea and acrylic sealers must be scuffed with a 200-grit pad and 400-grit for an epoxy finish prior to applying a polyurea sealer coat. Clean the concrete with acetone after profiling for best results. Do not apply to previously sealed surfaces without abrading.

If spraying, dilute sealer and apply an even coat of sealer to the countertop. Allow 1-2 hours of dry time depending before applying an additional coat.

Coverage: Approximately 55-65 sq. ft. per quart depending on surface conditions. Rougher, more porous surfaces will decrease the coverage rate.

Drying Time: Allow surfaces sealed with DCI Single Component Polyurea Countertop Sealer to cure 48-72 hours prior to use. Allow for additional drying time if high humidity is a factor.

Clean-Up and Disposal: The product can be cleaned prior to cure with acetone and can only be removed from fully-cured countertop surfaces using industrial paint strippers such as the Soy Gel Paint and Sealer Stripper or by mechanical means. Handle acetone with care and avoid open flames. To remove sealer by sanding, wet sand with a 100-grit pad or use dry, non-loading sandpaper. Leftover product, paint trays, or roller covers should be responsibly discarded after use.

Storage and Cleaning: Store in a dry, temperature controlled place. Keep away from open flames and high temperatures at all times. Surfaces sealed with DCI Single Component Polyurea are relatively low maintenance and require no waxing. Floors should be cleaned as needed with a mild dishwashing soap solution and water.

Warning: Safety First! USE IN A WELL VENTILATED AREA. Wear respiratory equipment during application when spraying and/or working in confined spaces. The product should be applied wearing gloves, goggles and a respirator if indoors. Do not apply in an enclosed area without proper ventilation to the outside. Should accidental contact with the skin or eyes occur, flush thoroughly with fresh water for at least 15 minutes. Seek medical attention as needed. If swallowed, do not induce vomiting and contact a physician and/or the Poison Control Center immediately.

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