

## TECHNICAL DATA SHEET

### Specialty Products Development Group informations

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### PRODUCT DESCRIPTION

Epoxy Coat UV+ is a solvent-free, no VOCs, virtually odorless two-component epoxy coating system with medium viscosity, which results with excellent resistance to UV rays, with one of the industry's slowest tendencies to yellow over time. The formulation of Epoxy Coat UV+ is based on the latest technological advancements in cycloaliphatic polyamines, providing outstanding properties and an impeccable aesthetic finish. Additionally, Epoxy Coat UV+ boasts superior mechanical and chemical properties, making it an ideal choice for both residential and commercial applications. Formulated primarily as a finishing coat, Epoxy Coat UV+ can also function as a base coat. Primer as an undercoat.

### ADVANTAGES

- Essentially odorless and self-priming
- Compliant with low volatile organic compounds (VOC) standards
- Features high color stability
- Boasts high gloss and chemical resistance
- Has the potential for LEED eligibility
- Offers a seamless system that withstands moderate traffic at a minimal thickness of 8Mils
- Provides the industry's best UV resistance
- Environmentally friendly with 100% solids and no VOCs or solvents
- Exhibits excellent elongation and abrasion resistance
- High resistance to amine blush and contaminants
- Superior mechanical and chemical properties
- Impermeable and mold-resistant
- High product density prevents dirt penetration and facilitates easy maintenance

### SURFACE PREPARATION

Not all surfaces are the same. It is recommended to create a sampling area before the start of the project. The test should be conducted on-site, using the method suggested by Specialty Products Development Group, to ensure proper adhesion and color. A sampling area should also be conducted on existing coatings to determine if there are contaminants or if delamination will occur.

- Dry - No wet areas (<4% moisture content).
- Clean - Remove contaminants, dust, grease, delaminated coating, laitance, or any other substances that may reduce or prevent proper adhesion.
- Profiled - Mechanically profiled surface CSP2-4 (ICRI).
- Sanitized - Repair all cracks and chipped areas. Concrete preparation must be carried out by mechanical means such as shot blasting, grinding, sandblasting, or any other method approved by Specialty Products Development Group

Cavities, cracks, and imperfections will be visible in the coating if the concrete is not properly repaired. Smooth and fill concrete voids with filler. Once the material has hardened, correct any imperfections through diamond grinding.

### MIXING

Epoxy Coat UV+ mix ratio 2A:1B, meaning two parts A (resin) to one part B (hardener). Typically, mixing three gallons of Epoxy Coat UV+ at a time is ideal for application. Mix using a drill and a mixing paddle. Note: if using a drill mixer, use a low speed (not exceeding 300 rpm) to avoid trapping air.

1. Add 1 gallon of Part B to the pre-mixed 2 gallons of Part A and mix for an additional 3 minutes.
2. Epoxy Coat UV+ is designed to be poured directly onto the floor. Allowing the mixed product to sit in the container will significantly reduce working time. Once poured on the floor, you can generally expect 30-40 minutes of working time.

### APPLICATION

1. For a solid-color coating system, apply Epoxy Coat UV+ in two coats or in a single pass as a finishing layer. For estimation purposes, anticipate coverage from 25 SF (colored) up to 200 SF per gallon in both cases.
2. Always apply at decreasing temperatures. Concrete is porous and traps air. During rising temperatures (typically in the morning), air expands and can cause gas release in the coating. It is safer to apply coatings in the late afternoon, especially for outdoor applications.
3. The optimal ambient temperature should be between 18 and 28°C (65 and 82°F) during application.
4. Mix three gallons of resin using the mixing instructions above.
5. Apply approximately 25 SF (colored) up to 200 SF per gallon by pouring directly onto the surface in a ribbon pattern while walking and pouring simultaneously until the bucket is empty.
6. Using a squeegee on an extension, pull the Epoxy Coat UV+ onto the substrate. As a first coat on bare concrete, pull the resin as thinly as possible while wetting the concrete and evenly covering the surface. This allows trapped air to escape more easily. To apply in a single coat over existing Epoxy Coat UV+ pull at approximately 150-200 SF per gallon.
7. Using a 10 mm lint-free roller, roll the coating evenly forward and backward.
8. Finally, roll back in the opposite direction of step 6.
9. Apply the second coat by repeating steps 1 to 7 the next day.
10. Sweep the floor and sand high points or imperfections.
11. Apply the finishing layer at approximately 125 SF per gallon. Use the same procedure as in step 4, but without broadcasting.
12. For a double-broadcast system of 100 to 125 Mils, repeat the above steps.
13. If additional protection against chemicals and abrasion is required, contact your representative for recommendations.