



Performance Construction Chemicals

POWERCOAT® U 1500 ANTI-GRAFFITI

HIGH DURABILITY • URETHANE • ANTI-GRAFFITI

VOC Content (Clear) 448 gr./liter or 3.74 #/gal.-Concrete Protective Coating
 VOC Content (Pigmented) 440 gr./liter or 3.67 #/gal.-Concrete Protective Coating

DESCRIPTION

POWERCOAT® U 1500 ANTI-GRAFFITI is part of Vexcon's breathable Urethane systems. Powercoat U 1500 Anti-Graffiti is a Styrene Acrylic-Urethane, retaining over 99% of its gloss after 1500 hrs. of UV testing and is virtually non-yellowing. POWERCOAT does not blister or peel on slabs or grade application, when used with **Powercoat® C&S Primer**, Step 1, Product data sheet # CP101. The product provides a tough and durable coating with excellent adhesion and flexibility, as well as high impact and abrasion resistance. Powercoat U 1500 Anti-Graffiti is designed to eliminate the failures of adhesion associated with polyurethane coatings on concrete.

Powercoat U 1500 Anti-Graffiti provides a high-build, coating barrier against physical abrasion, corrosion and commonly encountered acid and alkali chemicals. It also resists solvents such as gasoline, brake fluid, and alcohols. The system is ideal for use in commercial, food handling, industrial, or transportation services and other applications, wherever a coating is required to protect from graffiti.

BENEFITS

- Available as Clear, Matte, French and Concrete Gray
- When used with Powercoat C&S Primer can be applied to damp surfaces
- 99% Gloss retention – 1500 hrs. Provides excellent adhesion, flexibility, durability, and resistance to impact, water and abrasion and graffiti
- Complies with VOC regulations.

SPECIFICATIONS/COMPLIANCE

- Meets EPA & AIM VOC regulations
- USDA requirements for paints and coatings for use in federally inspected meat and poultry plants
- VOC Compliant: (Clear) 448 gr./liter or 3.74#/gal.-Concrete Protective Coating
- VOC Compliant: (Colored) 440 gr./liter or 3.67#/gal.-Concrete Protective Coating

APPLICATION

Powercoat U 1500 Anti-Graffiti is designed to be applied over **Vexcon Certi-Vex® Envio® Smooth VOC** or Emulsion as a base coat after 24 hrs. dry of base coat. When used on bare concrete Powercoat C&S Primer must be applied following the directions in product data sheet #CP101. The primer must be allowed to dry for at least 4 hours prior to application of Powercoat U 1500 Anti-Graffiti. The coating is supplied in two parts, A and B, which are mixed together just prior to use. Separately mix with a Jiffy Mixer the individual contents of each until uniform in consistency. When this is done, mix part B into part A. The product is supplied at the proper consistency for spraying and dilution will reduce efficiency. Apply by spray or lambs wool applicator roller-use ¼" nap mohair solvent type or brush. The mixed material has a pot life of approximately 3 hours. Two coats are always recommended, second coat can be applied after 6 hours. To protect your Powercoat floor from ongoing construction dust, dirt and debris, use **Certi-Vex® Talc Release** data sheet #OP132, until all construction work is completed. Clean application equipment daily with **Certi-Vex® Equipment Cleaner**.

SPECIAL NOTES

- Powercoat U 1500 Anti-Graffiti has splash and immersion resistance to many chemicals and can be used in areas where splashed materials will be removed in reasonable times, usually 4-24 hours. Do not use in constant immersion applications without consulting with Vexcon Chemicals first.
- Do not apply below 50° F (10° C).
- A second coat can be applied after 6 hours and within 48 hours without abrading the surface.
- Do not apply more than one coat without proper surface preparation including surface abrasion after full cure.
- Do not use spiked shoes during application if used on horizontal surfaces.
- For use by Professional Applicators.
- Store at room temperature.
- Same lot numbers should be used throughout the project. If lot numbers differ box-mix prior to use.
- If properly stored in its original sealed container, one year. Rotate your stock

COVERAGE RATES

Apply Powercoat U 1500 Anti-Graffiti at 100 -150 sq. ft./gal (2.5-3.8 m²/L) depending on desired film thickness.

Calculated dry film thickness is based on one coat.

POWERCOAT C&S PRIMER

200 sq.ft. /gal (5.0 m ² /L)	2 mils (5 µm).
250 sq.ft. /gal (6.3 m ² /L)	1.5 mils (4 µm).
300 sq.ft. /gal (7.5 m ² /L)	1.3 mils (3 µm).

POWERCOAT U 1500

150 sq.ft. /gal (3.8 m ² /L)	6.5 mils (16 µm).
100 sq.ft. /gal (2.5 m ² /L)	9-10 mils (13 µm).

2nd Coat @ 150-200 sq.ft./gal (3.8-6.3 ml) 5-6.5 mils

GLOSS TESTING

1500 HOURS

Initial Gloss: 60⁰ -103

Final Gloss: 60⁰ -103

APHA COLOR

Initial: <5

Final: <5

GRAFFITI REMOVAL

Graffiti removal of surfaces coated with Powercoat U 1500 Anti-Graffiti and of typical spray paints and markers is as follows:

1. Coat the graffiti area with **Certi-Vex[®] Concrete Stripper Vertical**.
2. Allow to remain about 15 min.
3. Scrub with a brush or wipe with a rag.
4. Second application may be necessary. Follow instructions on Certi-Vex[®] Concrete Stripper Vertical Label. Wash off the Concrete Stripper with a pine oil cleaner, then flush with water.
5. If the Concrete Stripper is not available, use auto tar and bug removal or Xylene on a brush or rag to remove paint and marker graffiti.
6. Many markers are soluble in alcohol and should be tested with Isopropyl Alcohol for removal.
7. Areas that have been cleaned of graffiti may appear different. Original uniformity can be achieved by applying a light coat of Powercoat U 1500 Anti-Graffiti.

PHYSICAL PROPERTIES

- Dry-Tack Free: Less than 6 hours
 - Curing Time: 24 hours
 - Full curing: One week
 - Solids 61% by volume, 72% by weight
- Please note dry time and curing time depends on air temperature and film thickness. All calculations based upon 68-77 ° F (20-25°C). Low temperatures and relative humidity will extend dry time.

PACKAGING

PART A: Clear or Pigmented: 3.24 gallons by volume in a 5 gallon pail; by weight 81%.

PART B: Clear or Pigmented: 0.79 gallons by volume in a 1 gallon pail; by weight 19%.

YIELD: 4 gallons of finished coatings

When using other containers to measure smaller volumes, the above ratios must be used.

HEALTH AND SAFETY

Vexcon MSDS #CP108 is an integral part of the safety and application of our product. A short synopsis is provided in this product data sheet. Before using this Vexcon product it is advisable to obtain a copy of the MSDS #CP108, from your distributor or by contacting Vexcon Chemicals.

CONTACT US @

Additional product information, technical assistance and customer service is available by contacting Vexcon Chemicals directly or our distributors.

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