

X GEN COATING SYSTEM™

**X-PROTECT®**  
**PERFORMANCE TOPCOAT**  
**MATTE FINISH**

## TECHNICAL PRODUCT DATA SHEET (Page 1 of 3)

**PRODUCT DESCRIPTION** - xGen Coating System's X-PROTECT Performance Topcoat - Matte Finish is a two-component clear coat treatment system designed for long-term protection of various surfaces. X-PROTECT Performance Topcoat - Matte Finish will not yellow, chip, crack, or peel. If gouged or damaged, the finish is repairable. The product is designed to coat surfaces that require a hard, flexible, and corrosion-resistant thin coating. A value-added benefit of X-PROTECT Performance Topcoat - Matte Finish is that it can withstand temperatures of 2,000°F/1093°C. X-PROTECT Performance Topcoat - Matte Finish offers excellent coverage, durability and oxidation protection as well as being an EPA compliant coating. X-PROTECT Performance Topcoat - Matte Finish is applied clear and will dry clear.

**ENVIRONMENTAL ADVANTAGES** - xGen Coating System's X-PROTECT Performance Topcoat - Matte Finish is an EPA compliant coating and does not contain lead or chromates. The solid and semi-solid sludge produced in spraying and clean up can be dried and sent to a "Class B" landfill. Please follow local and state regulations in the proper use and disposal of this product.

### CHARACTERISTICS

- Excellent hardness
- Excellent flexibility
- Excellent impact resistance
- Excellent adhesion, mar, and abrasion resistance
- Excellent heat tolerance (2000°F/1093°C+ with no visible effects)
- Excellent chemical resistance
- Matte finish
- Non-photochemical reactive
- Application by spraying, roller or pad
- Little odor
- Solvent is used for clean-up
- Air dry or force curing preferred
- Pot life of 24 hours

### USES

- Porcelain Tile
- Clay Tile
- Quarry Tiles
- All Grouts
- Terrazzo
- Concrete
- Most Any Tile & Grout Environment

### AIR QUALITY DATA

- Free of lead and chromates
- VOC (Volatile Organic Compounds) 3.188 lb/gal; 382 gm/ltr when catalyzed

### PHYSICAL DATA

- Liquid, clear
- Specific Gravity: >1
- Evaporation Rate: Slower than ether
- VOC: 3.188 lbs/gal; 382 gm/ltr when catalyzed
- % Solid by weight: 24.8%
- % Solid by volume: 22.6%
- Weight per gallon: 8.29 lbs
- Flash Point: > 150°F / 22°C Part A
- Flash Point: >150°F / 66°C Part B

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### APPLICATION

UV Resistance: Excellent

Solvent Resistance: 50+ Double-rubs MEK, Xylene, Acetone

Coverage: WFT 1- 2 mil: 800 - 1,100 sq. ft.

Hardness: Excellent - Up to 4H

Drying Time (Air Dry): Recoat – Before 1 hour @ 50% humidity and 75°F/24°C

Drying Time (Air Dry): Dust Free – 20 minutes @ 50% humidity and 75°F/24°C

Drying Time (Air Dry): Dry for foot traffic – 12 hours @ 50% humidity and 75°F/24°C

**SPECIFICATIONS** - Surface must be free of grease, oil, dirt, and other foreign matter.

**NOTE:** New substrate needs to be cleaned as well, due to possible contaminants from production and packaging.

### CLEANING / PRETREATMENT

*Cleaning and Pretreatment:* Cleaning and pretreatment are critical for success of any coating system. As each application may be different, the cleaning/preparation may be different as well. xGen Coating System recommends different cleaning/pretreatment processes depending upon each application and the amount of cleaning required:

*General Purpose Cleaning/Degreasing:* Use xGen Coating System's X-CLEAN & PREP. This concentration will be sufficient for general cleaning/degreasing of the surface to be coated. Use appropriate cleaning equipment (clean cloth/rag, scrubbing brush, spray bottle, pump-up sprayer or pressure washer) for the substrate in question. If the recommended concentration is not sufficient to achieve adequate cleaning results, use a stronger concentration for more aggressive cleaning. If a stronger concentration is used, thoroughly rinse the surface to remove any cleaning solution residue prior to coating. If cleaning/coating a vertical surface, work methodically from the top of the substrate down to the bottom to ensure adequate cleaning, rinsing (if required), and coating are completed. Make sure the substrate to be coated is completely dry prior to X-PROTECT Performance Topcoat - Matte Finish application.

### MIXING INSTRUCTIONS

To obtain optimum performance, the mixing instructions for X-PROTECT Performance Topcoat - Matte Finish must be followed precisely. Each component has been precisely formulated for optimum flow and hardness characteristics.

- This is a two (2) part component mix consisting of 1 Parts "A" to 3 Parts "B".
- The 2-part components, when mixed completely, result in the predefined kit size (quart, gallon, etc.).
- Wear appropriate safety equipment during mixing to include latex or nitrile gloves and safety goggles.
- In a clean glass, metal, or HDPE plastic container, mix parts by volume component A with component B.
- Under constant agitation with a laboratory magnetic stirrer, variable speed drill or drill press, mix for 30-45 minutes until the liquid becomes clear. Let the product stand uncovered estimated 10 minutes prior to application. This induction or sweat-in period is required to ensure that the product is catalyzed properly. During the mixing/catalyzation process, the combined products may generate a slight exothermic heat reaction and the sides of the container may feel warm to the touch. This reaction is normal. The catalyzed product will have a pot life of at least 24 hours. If temperatures are above 90°F/32.2°C, pot life may be shortened.

**NOTE:** For each ounce of Part "A", add 3 ounces of Part "B". Mix for 20-30 minutes. **NOTE:** mixture will turn to a "yellowish / lime green color" and container will get warm to touch. When mixture turns "clear", (approximately 20-30 minutes) let dwell for 15 minutes and product is ready to apply.



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### APPLICATION

Application should be done with pump or garden sprayer, back-padded with a painter's pad (7" or 9" recommended). Amount of coverage per gallon is dependent upon the applicator and the equipment used. Ensure that proper protective clothing and equipment is used during application. Wear NIOSH approved respirator and solvent resistance gloves and safety goggles.

**NOTE:** Dry for foot traffic in 12 hours

### RECOAT APPLICATION PROCESS:

If a recoat is needed, the remaining initial coating needs to be sanded using 120-220 grit sanding screens. Sand the surface until all glossy areas are "dull" and no longer glossy. Thoroughly rinse and clean the surface so it is free and clear of sanding dust. Test pH level to make sure it is 7. Let dry. Prep, mix and re-apply the product per instructions above.

**NOTE:** Floor must cure 5 - 7 days before recoating.

### CLEAN-UP

Use solvent for cleanup such as acetone or MEK. Ensure that proper protective clothing and equipment is used during application and cleanup.

**NOTE:** For post-application cleaning, see [Cleaning Instructions](#) on the xGen Website ([www.xGenCoatings.com](http://www.xGenCoatings.com))

### WARRANTY

The technical data contained herein is accurate to the best of our knowledge. xGen Coating System warrants that coatings represented herein meet their formulation standards. No other warranty is expressed or implied, including warranties of merchantability and fitness for a particular purpose. Published technical data and instructions are subject to change without notice. Contact your XGen Coating System's Representative for current technical data and instructions.