



XPS-URETHANE-X

XPS-URETHANE-X IS A ULTRA HEAVY-DUTY, MOISTURE-CURE URETHANE TOPCOAT SYSTEM. This remarkably unique formulation exhibits an extremely long working time, yet dries in 10-12 hours. This exceptional formulation offers an extended working time while curing to touch within 10-12 hours. Ideal as a topcoat, it pairs perfectly with XPS-URETHANE-X aggregate to create a lightly textured, highly resilient finish. With low VOC content and minimal odor, XPS URETHANE-X stands out as one of our most versatile and long-lasting industrial flooring solutions.

USES:

- Heavy traffic industrial floors
- High foot traffic commercial
- Aviation hanger topcoats
- Automotive shop flooring

ADVANTAGES:

- Long working time
- Low VOC
- High abrasion resistance
- UV stable

PACKAGING & SHELF-LIFE:

XPS-URETHANE-X is available in the following kits:

- 1.05-gallon kit (0.85-gallons part A in a one-gallon pail + 0.23-gallons part B + 1 lb part C)

Shelf-life:

- 24 months factory sealed and stored at room temperature

SUGGESTED APPLICATION:

- Apply at thickness of 3 mils dry as topcoat in conjunction with XPS-URETHANE-X aggregate

ANCILLIARY PRODUCTS:

- May be used as top-coat in conjunction with any Xtreme Polishing Systems coating system
- For pigmented applications, add 1-pint of XPS-URETHANE-X Urethane Pigment.

MATERIAL COVERAGE

WET FILM THICKNESS	DRY FILM THICKNESS	APPROXIMATE COVERAGE
3.2 mils wft	3 mils dft	509 ft ² / gallon (12.5m ² /L)

GENERAL PRODUCT INFORMATION

Colors: Clear and Pigmented

Solids Volume: 95%

V.O.C.: Clear: 48 g/l
Pigmented: 81 g/l

Pot-Life: 90 minutes @ 72°F

Mix-Ratio: Mix Full Kit

Cure Schedule: 72°F @ 50%R.H.
To touch: 6-8 hours
To re-coat: 6-8 hours min.
24-hours max.
Foot traffic: 6-8 hours
Heavy traffic: 24-hours

Clean-up: Acetone / MEK

Application Temp: 50°F(10°C) - 90°F(32.2°C)

Environment: Interior or Exterior

GENERAL PRODUCT PERFORMANCE

TEST TYPE	TEST METHOD	RESULTS
Hardness	ASTM D-2240 Shore D	92
Taber Abrasion	ASTM D-4060	16mg loss
Tensile Strength	ASMT C-307	3,200 psi
Flammability	ASTM D 635	Self Extinguishing
Impact Resistance	ASTM D 2794	180 lb
Flexibility 1/4" cylindrical mandrel	ASTMD 522	Pass
Adhesion	ASTM-4541	500+ PSI concrete fracture
Coefficient of Friction	ASTM-D 2047	>0.6 / pass





SURFACE PREPARATION

XPS-URETHANE-X is formulated for use as a topcoat and is not recommended for direct application to bare concrete. When applying over existing coatings, ensure the underlying surface is clean, dry, and free of dust or other contaminants. For smooth surfaces, the area should be sanded and solvent-wiped (tacked) before application to promote proper adhesion between coats.

MOISTURE IN CONCRETE

XPS-URETHANE-X is not intended for use as a primer. For more information regarding moisture in concrete please contact your local Xtreme Polishing Systems representative.

DE-GREASING OF CONTAMINATED SUBSTRATES

XPS-URETHANE-X must not be applied to contaminated surfaces. If the substrate has prior contamination, the area should be thoroughly sanded or mechanically ground, and all dust and residues must be fully removed before applying the coating.

TREATMENT OF JOINTS & CRACKS

Before applying any Xtreme Polishing Systems primer, all joints, cracks, and other surface imperfections must be properly repaired. For detailed guidance on specific joint treatment methods, contact your Xtreme Polishing Systems technical services representative.

MIXING INSTRUCTIONS:

- Prior to mixing, all products should be properly acclimated to the local ambient room temperature of 50°F(10°C) -90°F (32.2°C)
- Thoroughly agitate both part A and Part B separately prior to mixing. Mix complete kit for two minutes using a slow speed jiffy mixer. While mixing pour complete contents of XPS-URETHANE-X aggregate into mix, taking care to properly suspend all aggregates.
- For pigmented coatings, post-add Xtreme Polishing Systems Urethane at a rate of 1 pint per kit.

APPLICATION INSTRUCTIONS

- Apply XPS-URETHANE-X at a rate of approximately 500 square feet per gallon by pan rolling with a 3/8" - 1/4"(10 mm) nap roller.
- For proper appearance, dip the roller in the coating and lightly roll out excess in the application tray. Take care to spread the material evenly and immediately back-roll in a perpendicular fashion.
- Frequently agitate material in both the pan and mixing vessel during application process to keep aggregates properly suspended.

LIMITATIONS

- Do not apply to concrete affected by ASR (Alkali-Silica Reaction).
- Do not install over Acrylic or MMA coatings.
- Do not apply over existing coatings or sealers unless they have been properly cleaned and abraded.
- Do not use on concrete slabs that are less than 28 days old.
- Do not apply to surfaces wiped with denatured alcohol.
- Do not apply to concrete with a compressive strength below 3500 PSI.
- Do not apply when ambient or room temperatures are below 40°F (4.4°C) or above 90°F (32.2°C), or when relative humidity exceeds 85%.
- This product is not intended for immersion service.
- Dew Point: Do not apply if the dew point is within 5°F of the ambient temperature.

MAINTENANCE

The durability, appearance, and lifespan of wear surface products rely on a proper maintenance program tailored to the installed flooring. Because resinous floor coating systems are nonporous, dirt and contaminants tend to stay on the surface.

Recommended care includes regular, thorough cleaning with a neutral pH cleaner, with cleaning frequency adjusted based on traffic, usage, and the age of the floor. For additional guidance, contact your local Xtreme Polishing Systems technical representative.

NOTES

Carefully review all Material Safety Data Sheets before use and keep copies accessible on the job site at all times.

Conducting mock-ups and field test areas is highly recommended to verify performance and appearance characteristics—such as color, surface variations, wear, anti-dusting, abrasion and chemical resistance, stain resistance, and coefficient of friction—to ensure the system meets specifications for the intended application and gains approval.

Variations in job site conditions, including surface preparation, sunlight, humidity, dew point, and temperature during Urethane product application, may result in fisheyes, blistering, pinholes, wrinkling, or air out-gassing from the concrete; these occurrences are normal and are not considered product defects.

