

BEYOND FLOORS...

URECO ALUR-G

ALIPHATIC POLYURETHANE TOP COAT
ULTRA GLOSS FINISH
TDSALURGEN.V01

PRODUCT DESCRIPTION

URECO ALUR-G is a 2K high performance aliphatic polyurethane coating. This product provides abrasion and UV resistance, and it may be applied to vertical and horizontal surface. This product may be used on Ureco GTC epoxy as a protective topcoat.

BENEFITS

- Easy application
- High gloss finish
- UV resistance topcoat
- Outstanding protective properties including resistance to abrasion and corrosive environment
- Easy 2:1 mixing ratio
- Enhanced stain-resistance
- Improved impact-resistance
- Good chemical resistance
- Durable, impermeable, seamless and esthetic
- Meets CFIA requirement
- Easily cleaned, maintained and a more sanitary work environment

COLORS

Clear

TYPICAL USES

- Pharmaceutical
- Industrial
- Warehouse
- Auto service centers
- Institutional Buildings
- Commercial Buildings
- Hospital
- Residential
- Aerospace
- Plant Vehicle Aisles
- Showrooms, shops
- Bars, banquet hall
- Hotels, lobbies and restaurants
- Shopping centers, retail stores
- Spa, solariums, salons
- Casinos
- Airports, railway stations
- Aircraft Hangar
- Exterior tank

PACKAGING

URECO ALUR-G is available in 3 gallons / kit.
All kits containing 2-part A of resin and 1-part B of hardener.

SURFACE PREPARATION

Surface preparation is required. Substrate must be profiled, dry, clean, oil free, and sound. Use Ureco Degreaser to remove all contaminants (oils, greases and others). Remove any dust, laitance, dirt, curing agent impregnations, wax, foreign matter, coatings and others from the surface by an appropriate mechanical to achieve a

POWERBLAST CANADA

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TECHNICAL INFORMATION

Colors	Clear
Cure Time @ 21°C	
Tack free	3-5 hours
Recoat or second coat	8-24 hours
Light Foot traffic	24 hours
Full cure (heavy traffic)	5-7 days
Mix Ratio (by volume)	2 component kit 2 Part A (resin) 1 Part B (hardener)
Coverage	Wet thickness: 3-5 mils (320-500 sqft/gal) Yield thickness: 2-3 mils dry
Pot Life @ 25°C	2-4 hours (1-1/2 gallon volume)
Solid by volume	60
VOC Content	< 335g/L (mixed) This product meets the VOC requirement for the newly enacted VOC laws of New York, Pennsylvania, New Jersey and other states as an industrial maintenance coating

PHYSICAL PROPERTY

TEST METHOD

RESULT

Adhesion to concrete	> 350 psi @ elcometer (substrate failure, no delamination)	
Coefficient of Friction		0.9 (dry) 0.2 (wet)
Abrasion resistance	ASTM D-4060, CS-17	~80
Elongation at break	ASTM D-638 IV	6%
Hardness (Shore D)	ASTM D-2240	62
Impact resistance	Gardner Impact	Pass
Tensile Strength	ASTM D-638 type IV	5400 psi

- Pot life is shorter at higher temperature.
- **Before using any URECO product, be sure the Safety Data Sheet (SDS) is read and understood.**

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SURFACE PREPARATION (SUITE)

profile equivalent to ICRI CSP 3 with Blastrac and/or diamond grinder with dust free collector. Need proper bonding to the substrate. Call the Technical Department for preparation recommendation.

PRIMING

For use over an Ureco Epoxy Floor system. No primer is required for use over seal Ureco Flooring Systems.

MIXING

Pre-mix each component separately. Empty 1 part of component B with two parts component A, (mixing ratio 2 for 1) into an appropriate mixing container. Mix the combined components for at least 2-3 minutes using a low-speed drill (300-450 rpm) to minimize entrapping air in the system. When completely mixed, the product should be uniform in color and consistency.

APPLICATION

URECO ALUR-G is applied with an airless sprayer / brush / flat squeegee / roller 10mm lint free or microfiber roller to obtain a uniform coating. It is best to maintain a wet edge to avoid roller marks. Direct sunlight or high temperatures may cause visible roller marking during application. To thick of an application may result in product failure.

URECO ALUR-G is applied at 3-5 mils per coat wet thickness (yields 2-3 mils dry). A recoat must be applied with squeegee / brush or roller within 8-24 hours depends upon temperature.

RECOAT: Before recoating, check the coating to insure no contaminants exist. When recoating this product with subsequent coats of the urethane, it is advisable to apply the recoat before 24 hours passes. Also, it is advisable to degloss the previous coat to insure a trouble free bond. If you opt to recoat this product, you must first be sure that all of the solvents have evaporated from the coating during the curing process.

NOTE: Do not exceed 24 hours between coats. If this time is exceeded, sanding of the surface is required to ensure bonding.

CLEANING

To clean tools, use xylene. This product is considered to be a low maintenance flooring solution; however, certain textures and service environments do require certain procedures. Also, some cleaners

may affect the color of the floor installed. Test each cleaner in a small area. Please refer to the "Maintenance Recommendation".

STORAGE CONDITIONS

URECO ALUR-G must be stored in a dry cool place between 15°C and 21°C. Do not allow to freeze. The shelf life of this product is 12 months from ship date in the original unopened container. Do not store near open flame.

CHEMICAL RESISTANCE

This product is resistant to many common chemicals. Please call the Technical Department for actual resistance to specific chemical/agents.

MOISTURE CONCERNS

Moisture vapor transmission in the slab should be measured prior to application of polymeric systems to ensure a long lasting, durable installation.

LIMITATIONS

This product is sensitive to moisture during storage and application. May be incompatible with certain epoxy coatings. This product is best suited for application in temperatures between 15°C and 25°C. Substrate must be clean, sound and dry. Substrate temperature must be 3°C (5.5F) above measured dew point. Moisture can seriously affect the working time and properties of the material. Moisture content of the substrate must less than 4% when coating is applied. Do not apply to surfaces where moisture vapor can condense and freeze or to porous surfaces where moisture vapor transmission will occur during the application. Application with relative humidity higher than 85% and / or poor air circulation may cause improper cure and surface tackiness. Freshly applied material should be protected from dampness, condensation and water for at least 24 hours. Compressive of the concrete should be at least 25 mpa (3625) psi at 28 days. If you have any questions, please contact the PowerBlast Canada Technical Services at 1-866-975-1133

CAUTION

Workers should wear protective clothing consisting of splash-proof goggles, impermeable gloves and, where exposure limits are exceeded, organic vapor respirators. Follow the Safety Data Sheet (SDS) for proper personal protective equipment to use when handling this product. Use only as directed.




KEEP OUT OF REACH OF CHILDREN.

IMPORTANT NOTICE - All statements, recommendations and technical information contained in this document are based on tests and information, which PowerBlast Canada believes to be accurate as of this date. The buyer should test this product before use. PowerBlast Canada assumes no obligation or liability for results obtained from the use of this product. The product and information herein are furnished at the buyers request and risk. PowerBlast Canada will not be liable for any direct, indirect, consequential, economic or any other damage whatsoever except to replace the product and or refund the purchase price to the purchaser.

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