

URECO EG

TROWELABLE CEMENTITIOUS POLYURETHANE FOR FLOORING

1/4" - 3/8"

TDSEGEN.V02

BEYOND FLOORS...

PRODUCT DESCRIPTION

URECO EG is a heavy duty three component cementitious polyurethane system. It is a pigmented, trowel applied floor system. URECO EG is designed to withstand aggressive chemical and thermal attack while providing abrasion resistance. This system typically installed at 6 to 9 mm (1/4 to 3/8 in.) thickness.

BENEFITS

- Odorless, Non-toxic, Non-tainting
- Pre-measured unit for easy handling and mixing
- Easy application
- Co-efficient of thermal expansion similar to concrete
- Meets Canadian Food Inspection Agency standards
- Superior Adhesion
- Superior Chemical Resistance
- Excellent performance under thermally induced stresses such as steam cleaning
- Easy Maintenance
- No ventilation required
- Thermal Shock Resistant
- Self-extinguishing
- Resistant to fungi and to mold growth
- Can be applied on to 7-10 days old concrete

COLORS

URECO EG is available in six (6) standard colors :
Steel Gray, Charcoal, Deep Blue, Tile Red, Green, and Sandalwood.

TYPICAL USES

URECO EG is designed to protect concrete from chemical attack, corrosion, impact and thermal shock. Repeated exposure to hot oil or steam does not cause pitting, cracking or crazing. Typical areas of applications:

- Chemical Processing
- Food Processing Areas
- Cook / Chill Areas
- Bottling areas
- Sanitize / Wash Areas
- Plant Vehicle Aisles

TECHNICAL INFORMATION

Colors	6 standard colors
Cure Time @ 21°C	
Foot traffic	6-8 hours
Recoat (if TC or XTC required)	8-10 hours
Light wheel traffic	8-10 hours
Full service	12-16 hours
Mix Ratio (by volume)	3 component kit Part 1 (resin) Part 2 (hardener) Part 3 (aggregate)
Coverage	A unit will yield 22-24 sq. feet at 1/4" thickness
Pot Life @ 25°C	15 minutes
Service temperature	-120° F to 220° F (live steam) Intermittently 260 °F
Toxicity	Non-toxic Odorless No ventilation required

PHYSICAL PROPERTY

TEST METHOD

RESULT

Adhesion to concrete	> 400 psi, concrete fails before loss of bond	
Abrasion Resistance CS17 Wheel 1000 GM load 1000 cycles	ASTM C-4060	35 mg loss
Coefficient of Friction Standard Slip-resistant	ASTM D-2047	0.9
Compressive strength	ASTM C-579	6 900 psi
Flexural strength	ASTM D-790	1 850 psi
Hardness	D Shore	85-90
Tensile strength	ASTM D-638	850 psi
- Pot life is shorter at higher temperature. Do not use below 5°C or above 30°C. - Before using any URECO product, be sure the Safety Data Sheet (SDS) is read and understood.		

POWERBLAST CANADA

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SURFACE PREPARATION

Surface preparation is required. Substrate must be profiled, dry, clean, oil free, and sound. Use Ureco Degreaser to removed all oily 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 profile equivalent to ICRI CSP3-6 with Blastrac and/or scarifier and/or grinder with dust free collector. Need proper bonding to the substrate. Call the Technical Department for preparation recommendation.

PRIMING

No primer is required.

MIXING

Premix the resin (part 1) to unify the color, then add the hardener (part 2), both should be added to a forced circulation pail mixer and pre-blended for approximately 30 seconds. Gradually add aggregate (part 3) until homogenous mix is attained (approximately 2 minutes). Mix full unit.

APPLICATION

URECO EG floor trowel grade can be applied with a steel trowel at 1/4" (6mm) or at 3/8" (9mm) thickness. URECO EG can be applied directly to the substrate and under normal circumstances require no priming or sealing. To be trowel applied by licensed applicators.

CLEANING

This product is considered to be a low maintenance flooring solution; however, certain textures and service environments do require certain procedures. Please refer to the "Maintenance Recommendation".

STORAGE CONDITIONS

URECO EG must be stored in a dry cool place between 15°C and 21°C. Exposure of the aggregate (Part 3) to moisture or water will make the systems unreliable. Do not allow resins to freeze. The shelf life of this product is 12 months for part 1 (resin) and part 2 (hardener) and 6 months for part 3 (aggregate) from ship date in the original unopened container. Exposure of the hardener to water will lead to pressure build-up from carbon dioxide generation. Do not reseal containers contaminated with moisture. Do not store near open flame.

CHEMICAL RESISTANCE

This product is resistant to many common chemicals. Best results are obtained when top coated with Ureco TC or Ureco XTC. 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 best suited for application in temperatures between 5° C and 30° C. Moisture content of substrate should not exceed 10%. Substrate must be clean, sound and dry. Protect substrate during application from condensation or any overhead leaks. If you have any questions, please contact the Technical Department.

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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