



Systèmes de protection haute performance pour plancher
High performance protective systems for floors

Technical Data Sheet **URECO TC**

DESCRIPTION

URECO TC is a solvent free high build mat finish coating based upon polyurethane technology. Although it is designed as a topcoat for **URECO V** and **URECO STS**, it should also be considered as a topcoat for **URECO EG**.

BENEFITS

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

COLORS

URECO TC is available in six (6) standard colors. Light gray, Steel Gray, Tile red, Sandalwood, Sky blue and Green. Custom colors subject to minimum orders.

TYPICAL USES

URECO TC is used to topcoat **URECO V**, **URECO EG** and **URECO STS** and provides a uniform look for coving. URECO provides a smooth matt surface finish. Typical areas of application:

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

SURFACE PREPARATION

Surface contaminants and/or weak spots must be removed and clean. Need proper bonding to the substrate. With new concrete all laitance must be removed by any appropriate mechanical means, Blastrac and Diamond Grinder and two topcoat applications is recommended. Call the Technical Department of PowerBlast Canada at 1-866-975-1133 for preparation recommendation.

PRIMING

No primer is required.

PRODUCT LINE
URECO®
FLOORING SYSTEMS



Certifié
ISO 9001:2008
Certificat # C0130812-IS2



Made in Canada
Manufactured by PowerBlast Canada





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MIXING

Premix part one (resin) to unify the color and add slowly the full bag of aggregate (part 3) into the resin (part 1) and mix for further 1 to 2 minutes until a lump free mix is obtained then add the hardener (part 2) until homogenous mix is attained (approximately 1 minute).

APPLICATION

URECO TC is applied with a medium nap roller or brush at 5 - 10 mils. Push the material into the surface, making sure the floor is fully wetted, then pull back lightly with the roller to the required thickness. Always use the same material that is being rolled out at that time. To be applied by licensed applicators.

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 PowerBlast Canada Technical Department.

STORAGE CONDITIONS

URECO TC must be stored dry cool place between 15°C and 21°C. **Exposure of the Part 3 (aggregate) 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 and 2 and 6 months for part 3 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.

PACKAGING AND COVERAGE

URECO TC is available in three part units consisting of resin, hardener and aggregate. A unit will yield approximately 170 sq.ft. for 10-15 mils on the **URECO STS** system (base on 32 mesh aggregate).

CHEMICAL RESISTANCE

This product is resistant to many common chemicals. Best results are obtained when two coat application. Please call the PowerBlast Canada Technical Department at 1-866-975-1133 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.

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."

CAUTION

Workers should wear protective clothing consisting of splash-proof goggles, impermeable gloves and, where exposure limits are exceeded, organic vapor respirators. Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed. **KEEP OUT OF REACH OF CHILDREN.**

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TECHNICAL INFORMATION

Adhesion to Concrete > 400 psi, concrete fails before loss of bond

Colors 6 standard colors

Cure Time @ 21° C

Foot Traffic	8-10 hours
Full Service	12-16 hours

Mix Ratio (by volume) 3 Component Kit Premix Part 1 (resin) then add Part 3 (aggregate) final add the hardener

Pot Life @ 25°C 15 minutes

Service Temperature -120° F to 220° F (live steam)

Toxicity Non-toxic, Odorless, No ventilation required

PHYSICAL PROPERTY

TEST METHOD

RESULT

Abrasion Resistance

Taber H 10 Wheel 1000 GM Load 1000 Cycles	ASTM C-501	30 mg loss
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Compressive Strength	ASTM C-579	7 000 psi
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Flexural Strength	ASTM D-790	2100 psi
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Hardness (Shore D)	ASTM D-2240	85-90
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Tensile Strength	ASTM D-638	1000 psi
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Adhesion to concrete	ASTN D7234	> 500 psi (total Substrate failure)
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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 Material Safety Data Sheet is read and understood.

For further information, feel free to contact the Technical Department of PowerBlast Canada at 1-866-975-1133.

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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