

URECO ECB

TROWELABLE 100% SOLID EPOXY MORTAR FOR FLOORS AND COVES

TDSECBEN.V01

BEYOND FLOORS...

PRODUCT DESCRIPTION

URECO ECB is a 100% solids epoxy trowelable mortar system offering superior adhesion and contains no solvents. This product contains specially selected aggregates and ingredients to facilitate the construction of covebases, vertical applications such as low walls and horizontal applications such as repairs to floors. The application of Ureco GTC as a protective coating is strongly recommended to ensure maximum protection.

BENEFITS

- Odorless
- Easy application
- Durable, impermeable, seamless and esthetic
- Superior Adhesion
- Good chemical and mechanical resistance
- Does not support growth of bacteria and fungus
- Easily cleaned, maintained and a more sanitary work environment
- Meets Canadian Food Inspection Agency

COLORS

URECO ECB is available in 3 colors.
Light Gray, Steel Gray and Tile Red.

TYPICAL USES

FOR COVEBASES, WALLS AND FLOORS

- Pharmaceutical
- Industrial
- Automotive Service Bays
- Institutional Buildings
- Commercial Buildings
- Hospital
- Residential
- Aerospace
- Plant Vehicle Aisles
- Showrooms, shops, dealerships
- Bars, banquet hall
- Hotels, lobbies, kitchens and restaurants
- Shopping centers, retail stores
- Spa, solariums, salons
- Casinos
- Airports, railway stations

PACKAGING

URECO ECB is available in pre-measured kit. All kits contains 2 part A (resin), 1 part B (hardener) and 1 part C (aggregate).

TECHNICAL INFORMATION

Colors	3 couleurs Light Gray, Steel Gray, Tile Red
Curing time @ 21°C Recoat Food traffic Full service Full cure	8-12 hours 12-24 hours 48 hours 7 days
Mix ration (by volume)	3 components kit 2 part A (resin) 1 part B (hardener) 1 part C (aggregate)
Coverage COVEBASE	24-26 linear foot @ 4 inch 14-18 linear foot @ 6 inch Based on a radius of 1 inch
FLOORS	28-32 square foot @ 1/8 inch 14-16 square foot @ ¼ inch
Pot life @ 25°C	25-35 minutes
Solid by weight	100%
Toxicity	Non-toxic Odorless No ventilation required
COV Content	< 30g/L

PHYSICAL PROPERTY	TEST METHOD	RESULT
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Adhesion to concrete CS17 / 1000 Cycles / 1000g	> 400 psi, (substrate failure)	
Bond Strength	Excellent	
Compressive strength	ASTM C-579	10 000
Hardness (shore D)	ASTM D-2240	85-90
Tensile strength	ASTM D-638	2000 psi
Water absorption	ASTM D-570	0.1%
<ul style="list-style-type: none"> - 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

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 profile equivalent to ICRI CSP 2-3 with Blastrac and/or diamond grinder with dust free collector. All cracks, holes and irregularities must be repaired before the application of the coating using Ureco Crack Filler. Need proper bonding to the substrate. Call the Technical Department for preparation recommendation.

PRIMING

All surfaces must be primed with URECO P PRIMER to assure a complete permanent bond. URECO ECB can be applied to the tacky primer.

MIXING INSTRUCTION

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

FOR COVEBASE

URECO ECB is applied using a steel coving trowel at 1/8 to 1/4 inch thickness. Ureco Covebase trowel 4" and 6" high sold separately. To be applied by licensed applicators.

FOR FLOORS

URECO ECB is applied using a steel notched trowel at 1/8 to 1/4 inch thickness. To be 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 ECB 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 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 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. Do not apply in areas where the humidity is greater than 85%. 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.