

BEYOND FLOORS...

URECO MEP HYBRID WATERPROOFING MEMBRANE

TDSMEPEN.V02

PRODUCT DESCRIPTION

URECO MEP is a high quality pigmented, two components hybrid waterproofing membrane. URECO MEP is designed to give superior adhesion in addition to providing a waterproof and seamless surface. For a complete system and maximum protection over the years, the application of the Ureco MEP-P primer and the topcoat Ureco MEP-TC is required.

BENEFITS

- Easy application
- Economical 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
- Maintains flexibility in wide temperature ranges and over wide range of ages.

COLORS

SOLID COLORS

Light Gray, Steel Gray

TYPICAL USES

- Interior garage
- Multi-level Parking
- Mechanical room
- Structural concrete
- Balcony and terraces
- Access ramps
- Bridge decks
- Sports stadium, arena
- Bocce court
- Hospitals and schools
- Underground vaults and crypts

PACKAGING

URECO MEP is available in premeasured kit of 18 liters / kit. All kits containing 5 part A of resin and 1 part B 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

379 rue de l'Aigle, Saint-Eustache, Quebec, Canada, J7R 0M9
1-866-975-1133
www.powerblastcanada.com

TECHNICAL INFORMATION


Solid Colors	2 colors Light Gray, Steel Gray
Cure Time @ 21°C	
Recoat	12-24 hours
Traffic	72 hours
Full cure	7 days
Mix Ratio (by volume)	2 component kit 5 Part A (resin) 1 Part B (hardener)
Coverage	25-30 wet film thickness (64-50 sqft/gal)
Pot Life @ 25°C	30-40 minutes
Shelf life	12 months
Toxicity	Non-toxic Low odor No ventilation required
VOC	< 5g/l

PHYSICAL PROPERTY	TEST METHOD	RESULT
Adhesion to concrete CS17 / 1000 Cycles / 1000g	ASTM D-4060	25mg loss
Bond Strength	ASTM D-4541	> 300 psi (substrate failure)
Elongation (%)	ASTM D-412	600
Hardness (Shore A)	ASTM D-2240	78-80
Tensile Strength	ASTM D-638	10 mpa
Crack bridging @ 35 mils	ASTM C957	Pass
Water Absorption	ASTM D-570	0.30%

- 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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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

Ureco MEP-P primer is required.

MIXING

Pre-mix each component separately. Mix full unit. Empty component B (hardener) into component A (resin) (mixing ratio 5 for 1) into an appropriate mixing container. Mix the combined components for at least 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 MEP is applied at 25-30 mils wet film thickness on the substrate and applied with notched squeegee and then back roll with a 10mm lint free or microfiber roller to obtain a uniform coating. For a complete system and maximum protection over the years, the application of a topcoat Ureco MEP-TC is required at 15-18 mils. Two (2) topcoats is recommended in access ramp with aluminum oxide mesh 24.

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

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 MEP 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.

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