

TECHNICAL DATA SHEET

EPOXY SERIES

URECO EPOXY COVEBASE

DESCRIPTION

URECO EPOXY COVEBASE is a three component 100% solids epoxy mortar system for covebase, vertical application or floors. This product has specially selected aggregate and ingredients to provide easy construction of covebase with the use of a marginal trowel or other cove base application tools. **This system is typically installed at 3 to 6 mm. (1/8 to 1/4 in.) thickness.**

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 EPOXY COVEBASE is available in: Clear, Light Gray, Steel Gray, Tile Red and Desert Tan

TYPICAL USES

URECO EPOXY COVEBASE is designed for covebase, vertical application or floors.

Typical areas of application:

- Food Processing Areas
- Pharmaceutical
- Industrial
- Automotive Service Bays
- Institutional Buildings
- Commercial Buildings
- Hospital
- Residential
- Aerospace
- Aisles

SURFACE PREPARATION

Substrate must be profiled, dry, clean, oil free, and sound. Remove any dust, laitance, grease, oil, dirt, curing agent impregnations, wax, foreign matter, coatings and deleterious material from the surface by an appropriate mechanical means like ICRI-CSP2. For oily and greasy surface, use Ureco Degreaser. The compressive strength of the concrete substrate should be at least 25 MPA (3635 psi) at 28 days and at least 1.5 MPA (218 psi) tensile strength at the time of application. Be careful of condensing humidity (within 3 degrees of the dew point).

PRIMING

All surfaces must be primed with **URECO P** to assure a complete permanent bond to walls and transfer joints. **URECO EPOXY COVE BASE** can be apply to the tacky primer.

URECO®
FLOORING SYSTEMS

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MIXING

The resin (part A) should be premixed to unify the color than added with the hardener (part B) into a forced circulation pail mixer and pre-blended for approximately 1 minute. Gradually add aggregate (part C) until homogenous mix is attained (approximately 2 minutes).

APPLICATION

URECO EPOXY COVEBASE is apply using a steel coving trowel. Best results are obtain when top coated with **URECO GTC**.

STORAGE CONDITIONS

URECO EPOXY COVEBASE must be stored dry between 15°C and 21°C. Do not store near open flame. The shelf life is 1 year in unopened container from manufacturer production date.

PACKAGING

URECO EPOXY COVEBASE is available in a container of 3.5 gallons and includes pre-weighed three components, Part A (resin), Part B (hardener) and Part C (aggregate).

COVERAGE

Covebase: 24-26 linear foot @ 4 inch or 14-18 linear foot @ 6 inch based on 1 inch radius coving trowel.
Floors: 28-32 sqf @ 1/8 inch or 14-16 sqf @ ¼ inch

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".

LIMITATIONS

This product is best suited for application in temperatures between 15°C and 21°C. Substrate must be clean, sound and dry. Substrate temperature must be 3°C (5.5°F) above measured dew point. Moisture content of the substrate must less than 4% when coating is applied. Do not apply to surfaces where moisture vapour can condense and freeze or to porous surfaces where moisture vapor transmission will occur during the application. Do not use on exterior, on grade substrates. Do not apply in areas where the humidity is greater than 85%. Freshly applied material should be protect from dampness, condensation and water for at least 24 hours. Color stability may be affect by environmental conditions such as high humidity or chemical exposure as well as UV exposure. This product is resistant to many common chemicals.

***Please call the PowerBlast Canada Technical Department at 1-866-975-1133 for actual resistance to specific chemical/agents.**

CAUTION Workers should wear protective clothing consisting of splash-proof goggles, impermeable gloves, 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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Cure Time @ 21° C

Dry time

Pot life is shorter at higher temperature

Recoat time

6-10 hours

Light traffic

8-10 hours

Full Service

12-16 hours

Mix Ratio (by volume)

3 Component Kit pre-weight
Part A (resin)
Part B (hardener)
Part C (aggregate)

Pot Life @ 25°C

25-35 minutes

Toxicity

Non-toxic, Odorless, No ventilation required

Viscosity (CPS)

Resin: 3000-4000 / Hardener: 900-1100

PHYSICAL PROPERTY	TEST METHOD	RESULT
Adhesion to Concrete		> 400 psi (concrete fails before loss of bond)
Abrasion Resistance		Excellent
Coefficient of Friction	ASTM D-2047	
Standard Slip-Resistant		0.9
Compressive Strength	ASTM C-579	10 000 psi
Flexural Strength	ASTM D-790	3150 psi
Hardness (Shore D)	ASTM D-2240	85-90
Impact Resistance	ASTM D-1709	Excellent
Tensile Strength	ASTM D-638	2000 psi

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 buyer's 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.

