

TECHNICAL DATA SHEET EPOXY SERIES URECO EPOXY CRACK FILLER

DESCRIPTION

URECO EPOXY CRACK FILLER is high performance two component 100% solids epoxy crack filler designed for to permanently fill and repair vertical, horizontal or overhead voids in concrete and masonry substrates.

BENEFITS

- Odorless
- Easy application
- Durable, impermeable, seamless and esthetic
- Good chemical and mechanical resistance
- Superior workability and excellent adhesion to concrete and masonry
- Easily cleaned, maintained and a more sanitary work environment
- Designed for horizontal, vertical & overhead application

COLORS

URECO EPOXY CRACK FILLER is available in light Gray

TYPICAL USES

URECO EPOXY CRACK FILLER is designed and recommended for repairing cracks and defects in concrete or masonry.

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. This product is intended for hairline cracks and other fractures up to an 1/8 inch in width. 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

No priming is necessary.

MIXING

Mix in small quantities at a volume ratio of 2 Part Resin: A Part and 1 Part B Hardener into a forced circulation pail mixer. To mix, simply measure out volumes of the material and mix them together thoroughly with slow speed mixing equipment such as a jiffy mixer, putty knife or spatula until the material is thoroughly mixed and uniform in color. Mix only an amount of material that can be used in the allotted pot life period. Improper or insufficient mixing may result in product failure.

APPLICATION

URECO EPOXY CRACK FILLER material can be applied by marginal trowel, putty knife or any other suitable equipment.

PACKAGING

URECO EPOXY CRACK FILLER is available in a container of (1.5 gallons kit) and are pre-weighed, 2 Part A (resin), 1 Part B (hardener).

URECO®
FLOORING SYSTEMS

TECHNICAL DATA SHEET

EPOXY SERIES

URECO EPOXY CRACK FILLER

STORAGE CONDITIONS

URECO EPOXY CRACK FILLER must be stored dry between 15oC and 21oC. Do not store near open flame. The shelf life is 6 months in unopened container from manufacturer production date.

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.

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.**

TECHNICAL INFORMATION		
Cure Time @ 21° C		Curing time is affected by ambient and surface
Dry time		...
Dry to recoat time		3 – 5 Hours @ 23°C
Optimal cure		7 days
Mix Ratio (by volume)		2 Component Kit pre-weight 2 Part A (resin) 1 Part B (hardener)
Pot Life @ 25°C		10 -18 minutes Pot life is shorter at higher temperature
Viscosity (CPS)		Resin: Paste Hardener: Paste
PHYSICAL PROPERTY	TEST METHOD	RESULT
Bond Strength	ASTM D4541	600 psi
Elongation (%)	ASTM D638	2.00
Compressive Strength	ASTM C-695	14 000 psi
Hardness (Shore D)	ASTM D-2240	85-95
Water absorption	ASTM D-570	0.05%

Before using any URECO product, be sure the Material Safety Data Sheet is read and understood.

IMPORTANT NOTICE

All statements, recommendations and technical information contained in this document are base 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.

