

## URECO CPR

FAST CURE RAPID SETTING CONCRETE MORTAR REPAIRS

TDSCPRFR.V04

# BEYOND FLOORS...

### PRODUCT DESCRIPTION

URECO CPR is a fast cure rapid setting and high compression strength concrete repair mortar. This one (1) component product is easy to apply. You can do it yourself ! This exceptional product will add durability to your concrete surfaces as well as a safe environment. In addition to being an economical product it will save you precious time with an ultra-fast 20 minutes return to service which will significantly reduce the downtime of your operations and production.

### BENEFITS

- APPLICATION FROM -35°C A 80°C
- Quick set and return to service after 20 minutes
- Can be used in refrigerated or frozen areas
- Indoor and outdoor use
- Horizontal and vertical application
- Maximum compression in 3 hours
- Superior to standard concretes
- Odorless and nontoxic: does not emit any vapor or smoke
- Easy to mix and apply, just add water and apply
- Superior adhesion and chemical resistance
- Freezing environment durability/ thawing and thermal shock resistant
- Application thickness of ¼ to 4 inches
- An easy and economical way for a healthy and safe work environment
- Meets Canadian Food Inspection Agency standards
- More ecological than concrete. May contribute to LEED points.

### COLOR

Cement gray

### TYPICAL USES

- **PREFERRED SOLUTION OF THE PLANS:**
  - Food
  - Pharmaceutical and Cosmetics
  - Aeronautic
  - Industrial
  - Commercial
  - Institutional (hospitals, schools, etc)
  - Residential
- **ANYWHERE THERE IS CONCRETE**
  - Refrigeration and freezing room
  - Cold store warehouse
  - Floors and walls
  - Drains contours, holes, cracks
  - Forklift traffic area and high traffic
  - Cement parking and pedestrian alley
  - Staircase, balcony, garage
  - Column support base (balcony, deck, etc.)
  - Radidly set wood or metal posts (fence, swing sets, mailbox, porch posts, etc).

### TECHNICAL INFORMATION

Color	Cement gray
Cure Time @ 21°C	
Foot traffic	20 minutes
Light vehicle traffic	1 hour
Full traffic	2 hours
Mix ratio (by volume)	1 component unit (aggregate)
	7 parts of CPR : 1 part of water
Coverage	1 unit covers: -18-20 square feet at ¼pouce - 4-5 square feet at 1 inch
Shelf life @ 25°C	12 months
Toxicity	Nontoxic odorless Meets Canadian Food Inspection Agency standards

PHYSICAL PROPERTY	TEST METHOD	RESULT
Adhesion to concrete		> 400 psi, rupture at substrate level
Abrasion Resistance CS17 Wheel 1000 GM load 1000 cycles	ASTM C-4060	50 mg per 1000 Cycles
Compression Strength	ASTM C-695	1H : 3500-4500 psi 2H : 4500-6500 psi 3H : 6000-7500 psi
Flexural Strength	ASTM D-638	1000 psi
Hardness	Shore D	80
Impact Resistance @ 125 mils	MIL D-3134	Pass after 10 min
Tensile Strength	ASTM D-638	1700 psi
- Before using any URECO product, be sure the Material Safety Data Sheet is read and understood.		

### POWERBLAST CANADA


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### SURFACE PREPARATION

Substrate must be profiled, dry, clean, oil free, and sound. Do not apply on a frozen substrate where ice is visible. Remove any dust, laitance, grease, oil, dirt, curing agent impregnations, wax, foreign matter, coatings and deleterious material from the surface by an appropriate cleaning method (Ureco degreaser is available and recommended) with mechanical preparation. Estimate the needed quantity and prepare the product in a separate clean mixing container, prepare the amount of water needed. When ready to install mix water into the product and mix thoroughly for 1-2 minutes. Apply with a steel trowel or other smooth finish. Work rapidly to install and fill voids then finish with moderate pressure to ensure a clean smooth finish. Do not apply water to the surface during the finishing process. Ureco CPR requires no bond coat or primer.

### PRIMING

No primer is required.

### MIXING

Pré-mix the product before use after prolonged storage. Mix 7 parts of the product to 1 part water by volume. Mix for 1-2 minutes by hand for small amounts or with a low speed drill (300-450 rpm) until a smooth and homogeneous mixture is obtained.

### APPLICATION

URECO CPR is applied with a steel trowel or driftwood trowel. A complete unit can cover 18-20 square feet at ¼ inch or 4-5 square feet at 1 inch.

### CLEANING

Clean all tools and equipment immediately after use with water. Wash hands with hot and soapy water. Once the product has hardened the product can only be removed mechanically.

### STORAGE CONDITION

URECO CPR should be stored in a cool, dry place at a temperature between 15°C à 21°C. Exposure to moisture or water will render the system unreliable. The product must be protected against freezing. The shelf life of this product is 12 months from the date of shipment in the original, unopened container. The shelf life will be reduced for opened containers. Do not store containers contaminated with moisture. Do not store near open flames.

### CHEMICAL RESISTANCE

This product is resistant to many chemicals. For resistance to specific chemical agents, please contact our technical department.

### HUMIDITY

Water vapor should be measured before application to ensure long installation life.

### LIMITATIONS

This product has been developed for application in temperatures between -35°C à 80°C. The substrate must be clean sound and dry. Protect substrate during application from condensation or air leakage. For any questions, do not hesitate to contact our technical department.

### CAUTION

Workers should wear protective clothing consisting of splash proof goggles, impermeable gloves and, where exposure limits are exceeded 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 CHILDREN'S REACH.**

### IMPORTANT NOTICE

All statements, recommendations and technical information contained in this document are based on test 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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