



IPA SYSTEMS

IPANOL CWR

100% Solid, cold weather epoxy-urethane repair resin



IPA SYSTEMS

QUALITY PRODUCTS FOR THE CONCRETE /MASONRY REPAIR INDUSTRY

Description

IPANOL CWR is a solvent-free, high strength, cold weather -epoxy urethane resin system designed with an engineered aggregate for applications in a cold temperature environment.

Where to Use

IPANOL CWR is used for horizontal spall repairs on bridge decks, parking decks, pedestrian walkways, freezer floors and industrial applications. Also can be utilized for crack repairs and post / railing setting.

Advantages

- ◆ Made in America
- ◆ Designed for cold weather applications
- ◆ Fast initial set; rapid gain to ultimate strength
- ◆ Open to traffic in 30 minutes
- ◆ Thermally compatible to concrete
- ◆ Easy 1:1 ratio

Coverage Rate

.45 cu. ft. (800 cu.in.) kit

Packaging

1 gallon of A component and 1 gal of B component with engineered aggregate packaged in a 5 gallon kit.
1 year shelf life

Technical Data

Viscosity (neat)	250 cps	
Pot Life:	ASTM C-881	73° 100 Grams 3 min.
Bond Strength:	ASTM C-882	2000 psi
Adhesion:	ACI 503R	400 psi
Tensile Strength:	ASTM D-412	1500 psi
Elongation %:	ASTM D-412	30%
Compressive Strength:		
(with aggregate)	ASTM C-579	3500 psi
Hardness:	ASTM D-2240	60-70 D

Surface Prep

All surfaces must be clean and free of dirt, dust, oil, grease. Host concrete must be structurally sound free of all contamination.
For concrete spall repairs: Perform a minimum of a 1/2" saw cut around the perimeter of the repair areas. All loose particles or soft unsound sections must be removed. Surfaces must be dry prior to application. Vacuum or blow off concrete dust and debris with oil-free compressed air.

Application

IPANOL CWR is moisture sensitive during application and should not be applied to wet surfaces.

Have all components and tools ready and repair area properly prepared prior to mixing/placement. Mixing container, tools and patch area must be clean and dry prior to use.

Shake component B for 30 seconds. Mix A and B for 30 seconds at 200-300 rpm with jiffy mixer on a 1/2" drill. Begin adding component C and mix for another 30 seconds until all of the aggregate is wetted out.

PLACE PRODUCT IMMEDIATELY.

Ipanol CWR should be tamped into the entire repair area with the blunt end of a 2x4 or similar object to properly wet the substrate. It should then be troweled and finished immediately. The finished repair area should be level and not higher than the surrounding area. CWR may be ground. A small amount of aggregate may be withheld for sprinkling onto the finished surface immediately after troweling for surface texture and color.

IPA SYSTEMS, INC

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MIXING LESS THAN FULL KIT QUANTITIES

Shake component B for 30 seconds. Mix equal parts (1:1 ratio) of components A and B vigorously for 30 seconds. Add 3 parts by volume of component C to 1 part mixed A & B components and stir for 30 seconds until aggregate is wetted out. PLACE IMMEDIATELY.

Limitations

- ◆ IPANOL CWR is moisture sensitive. Surface must be dry at application
- ◆ Mix only quantities that can be used within the materials pot life.
- ◆ Storage Conditions: Do not store above 85°F or in direct sun light.
- ◆ For temperatures below 10°F, kit contents should be pre-conditioned to 65° F- 85°F.

Clean-up

Empty containers must be drip free. Cured product may be disposed of without restrictions. Excess liquid A and B material should be mixed together and allowed to cure, then disposed of in the normal manner. Cured materials may be stripped or peeled from plastic tools and containers. It is recommended that metal tools be cleaned within one hour of use by cutting or peeling cured material from tools.

Caution

FOR INDUSTRIAL USE ONLY:

Remove contaminated clothing. For eye contact, flush immediately with plenty of water for at least 15 minutes; contact physician immediately. For respiratory problems, remove person to fresh air. For skin contact, remove immediately with a dry cloth or paper towel. Wash area of contact thoroughly with soap and water. **Solvents should not be used** because they carry the irritant into the skin. Wash clothing before re-use. Cured product is innocuous.

Refer to MSDS for more information

Warranty

This product is warranted and guaranteed to be of good quality. Manufacturer, as its sole and exclusive liability hereunder, will replace material if proved defective. This warranty and guarantee are expressly in lieu of all others, express or implied, including any implied warranty of merchantability or fitness for a particular purpose and may not be extended by representatives or any persons, written sales information, or drawing in any manner whatsoever. While the manufacturer recommends uses for the product based on tests believed reliable, no warranties, express or implied, or guarantee can be given as to particular methods of use or application, nor can performance be warranted, expressly or impliedly, or guaranteed under special conditions. Distributors, salesperson or company representatives are not authorized to extend or vary any warranties or guarantees beyond those outlined herein nor may the manufacturer's or seller's limitation of liability be waived or altered in any manner whatsoever.

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