



IPA SYSTEMS

IPANOL C

Bonding Agent / Anti-Corrosion Inhibitor



IPA SYSTEMS

QUALITY PRODUCTS FOR THE CONCRETE /MASONRY REPAIR INDUSTRY

Description

Ipanol C is a 3 component water based, solvent free, non-flammable , breathable VOC compliant , epoxy modified–cementitious bonding agent and corrosion inhibitor.

Where to Use

Ipanol C is used as a bonding agent for fresh or plastic concrete to existing hardened concrete. For bonding cementitious repair materials to concrete or steel. For providing an anti-corrosion, protective coating for reinforcing steel in concrete.

Advantages

- ◆ Made in America
- ◆ Long open time
- ◆ Breathable: not a vapor barrier. Can be used on grade
- ◆ Excellent adhesion to concrete and steel
- ◆ Moisture insensitive, nonflammable
- ◆ Kit contains 4 separate units for easy batching and smaller projects
- ◆ Contractor friendly, easy to apply,, can be sprayed

Coverage Rate

80 sq. ft./gal (bonding agent) 40 sq. ft./gal (corrosion inhibitor for reinforcing steel)

Packaging

3.2 gal. units - Part A 0.2 gal, Part B 1 gal Part C 36 lb. (4 x 9 lb. bags)
 Shelf Life: 1 year in original unopened container
 Storage Conditions: Store at 40° - 95°F (5° - 35°C) - protect from freezing

Technical Data

| | | | |
|------------------------------------|-----------------|--------------|-------|
| Compressive Strength (psi): | ASTM C 109 | 3 days | 2,400 |
| | | 7 days | 4,000 |
| Flexural Strength (psi): | ASTM C348 | 28 days | 1,295 |
| Splitting Tensile Strength (psi) | ASTM C496 | 28 days | 670 |
| Bond Strength (psi) | ASTM C882 | Wet on Wet | 2,600 |
| Plastic to Hardened Concrete | 6 hr. open time | | 2,350 |
| Direct Tensile Bond Strength (psi) | ASTM C1583 | Wet on Wet | 275 |
| Hardened to Hardened Concrete | 3 hr open time | | 180 |
| Water Vapor Transmission | ASTM E96 | Perms: 22.84 | 4.44 |

Surface Prep

Substrate to be applied must be cleaned of any film, scale, loose material, oils, grease and any other foreign material that will prohibit bond. Surface preparation must be achieved by mechanical means and methods. A fractured aggregate profile for concrete or near white metal finish for reinforcement is preferred. Substrate must be saturated surface dry (SSD) with no standing water.

IPA SYSTEMS, INC

P.O. Box 26869- 2745 North Amber Street, Philadelphia, PA 19134

Tel: 800-523-3834, Fax: 215-425-6234, E-mail: info@ipasystems.com, Web Site: www.ipasystems.com



IPA SYSTEMS



IPA SYSTEMS

QUALITY PRODUCTS FOR THE CONCRETE /MASONRY REPAIR INDUSTRY

Mixing

Full kit: Shake parts A and B thoroughly before using. Pour entire contents of parts A and B into a clean mixing container. Mix thoroughly for 30 seconds with a Jiffy mixer on a low speed (400-600 rpm) drill. Slowly add the entire contents (4 - 9 lb. bags) of part C (aggregate) while continuing to mix for 3 minutes until blended thoroughly. **Partial kit:** Follow directions as above using one 9 lb. bag of Part C per 1/4 marking on Part A and Part B liquid containers.

Application

Bonding Agent: Apply with stiff bristle brush, roller or hopper gun at 80 sq. ft./gal. Make sure substrate is thoroughly wetted with bonding agent. Place new concrete or patching material within six hours for best results. **Corrosion Inhibitor:** Apply with brush or spray, fully coating all areas of the exposed reinforcing steel at 80 sq. ft./gal. Allow to dry and recoat at same coverage rate. Once dry, new concrete or patching material can be placed.

Limitations

- ◆ Minimum material, surface and ambient temperature must be 40°F. Max Temperature is 95°F
- ◆ Do not use with expansive cementitious grouts
- ◆ Do not allow material to freeze
- ◆ Minimum thickness 20 mils— bonding agent
- ◆ Minimum thickness 40 mils—corrosion inhibitor

Clean-up

Ventilate area. Confine spill. Collect with absorbent material, flush area with water. Dispose of in accordance with current applicable local, state and federal regulations. Uncured material can be removed with Citrus Cleaner or other approved solvent. Cured material can only be removed mechanically.

Caution

FOR INDUSTRIAL USE ONLY:

CAUTION Component "A" Irritant: Prolonged contact with skin may cause irritation. Avoid eye contact. **Component "B" Corrosive:** Contact with skin may cause severe burns. Avoid skin contact. Product is a strong sensitizer. Use of safety goggles and chemical-resistant gloves is recommended. Avoid breathing vapors. Use adequate ventilation. Use of a NIOSH/MSHA organic vapor respirator recommended if ventilation is inadequate. **Component "C" Irritant:** Contains Portland cement. Do not allow contact with eyes or skin. Contains concrete aggregates, sand. Avoid breathing dust. Respirable silica may cause serious lung problems. The use of gloves, goggles, and where appropriate, dusk masks and other protective clothing is recommended. **FIRST AID** 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 epoxy 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 epoxy resins are innocuous. See MSDS for additional precautionary information and health hazard data

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.

IPA SYSTEMS, INC

P.O. Box 26869- 2745 North Amber Street, Philadelphia, PA 19134

Tel: 800-523-3834, Fax: 215-425-6234, E-mail: info@ipasystems.com, Web Site: www.ipasystems.com