



IPA SYSTEMS

OCTOCRETE

Dry Polymer Modified Repair Mortar



IPA SYSTEMS

QUALITY PRODUCTS FOR THE CONCRETE /MASONRY REPAIR INDUSTRY

Description

OCTOCRETE is a single component, ready to use with water, high strength polymer modified , fast setting cementitious mortar for concrete and masonry repair .

Where to Use

OCTOCRETE is ideal for the horizontal, vertical and overhead repair of concrete and masonry. It can be shaved for architectural applications . Other applications include: interior / exterior Structural concrete repairs, Ramps, parking decks, industrial floors, above and below grade applications.

Advantages

- ◆ Made in America
- ◆ Excellent non-sag properties designed for deeper lifts per application
- ◆ Traffic bearing 4 hours
- ◆ Two set time formulas available: 12-15 Min. and 30 Minute set
- ◆ Excellent freeze-thaw resistance
- ◆ Just add water
- ◆ Dries concrete gray (White by special order)

Coverage

Yield is 0.5cubic feet (0.01 cubic meter)

Packaging

50lb (22.7 kg) multi-wall bag, 56 Bags/pallet,
Shelf life: 1 year in unopened bag. Store dry at 40°-95°F (4°-35°C). Condition material to 65°-75°F before using.

Technical Data

Compressive Strength (ASTM C-109)	1 day Exceeds 2800 psi (19.3 MPa)
	7 day Exceeds 4600 psi (31.7 MPa)
	28 day Exceeds 5800 psi (40 MPa)

Flexural Strength (ASTM C 348)	1 day 600 psi (4.1 MPa)
	7 day 750 psi (5.2 MPa)
	28 day 900 psi (6.2 MPa)
	28 day 1500 psi (10.3 MPa)

(ASTM C 78)

Slant Shear Bond Strength (ASTM C 882) (No epoxy used)	7 day 1190 psi (8.2 MPa)
	28 day 1640 psi (11.3 MPa)

Surface Prep

Substrate to be repaired must be cleaned of any film, scale, loose material, oils, grease and any other foreign material that will prohibit bond. Surface preparation must be achieve by mechanical means and methods. All exposed reinforcing steel needs to be mechanical clean to a near white metal finish. Surface must be SSD (Surface Saturated Dry) prior to the application of Octocrete.

IPA SYSTEMS, INC

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Mixing

Pre-measure 5 quarts (4.7L) of clean potable water per 50 lb (22.7 kg) bag. Mixing by mechanically (Jiffy®) mixer or mortar mixer for 3 minutes until a uniform consistency.

Application

While the surface is SSD, scrubbed mortar thoroughly into the substrate to insure proper bond (Apply to scrub coat while wet, do not apply to dry scrub coat). Work material against the edges of the repair area and then towards center making sure to consolidate mortar. **For Deep Vertical & Overhead Repairs:** multiple lifts can be achieved. For multiple lifts, score the top surface of each lift to provide a surface profile for the next lift. Allow material to reach a harden state before applying a new lift. Minimum lift is 1/8 inch and maximum is 1.5 inches. Each lift must be SSD followed by a scrub coat. **For Horizontal Repairs 1" and greater:** add 25 lbs of 3/8 inch (1.0 cm) washed pea gravel to each complete bag of Octocrete. Do not mix more than can be placed in ten minutes. Do not over trowel during placement. Achieve approximate finish and then wait to initial set. **Sculpture time:** 20 minutes after initial set, Octocrete can be formed (shaved) by the edge of a trowel.

Curing: is strongly recommended by ACI practices. Immediately following finishing, moist cure with burlap and polyethylene, or a fine mist of clean water or a water based curing compound conforming to ASTM C-309 standards. Do not apply curing compound between lifts, it will affect the adhesion of the next lift.

Limitations

- ◆ Minimum material, surface and ambient temperature must be 45°F (7°C) and rising
- ◆ Minimum application: 1/8 Inch- Maximum lift: 1.5 inches, Do not feather edge.
- ◆ Do not apply to a frozen surface or allow material to freeze
- ◆ Do not use solvent based curing compounds

Clean-up

Clean up must be done immediately due to the high bonding characteristics of Octocrete. Clean equipment with water.

Caution

FOR INDUSTRIAL USE ONLY:

Freshly mixed cement, mortar, grout, or concrete may cause minor skin irritation. Avoid direct contact where possible and wash exposed skin area promptly with water. If any of the cementitious material gets into the eyes, rinse immediately and repeatedly with water. If irritation persists, obtain medical assistance.

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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