



IPA SYSTEMS

OCTOSKIM

Cementitious Polymer Modified Surfacing Mortar



IPA SYSTEMS

QUALITY PRODUCTS FOR THE CONCRETE /MASONRY REPAIR INDUSTRY

Description

Octoskim Acrylic is a two component, modified acrylic, high strength repair and resurfacing compound. It is engineered to provide maximum durability, excellent adhesive properties for a long term durability. Octoskim is designed for ¼ inch maximum thickness overlay.

Where to Use

Octoskim is used to repair, patch and resurface damaged concrete and mortar surfaces. It bonds quickly and permanently to restore older worn surfaces to their original condition such as: repairing of shallow holes and cracks, resurfacing concrete blocks and thin set cementitious overlays. Can be used above and below grade.

Advantages

- ◆ Made in America
- ◆ High strength with superior adhesion to substrates
- ◆ Traffic bearing within 24 hours
- ◆ Resistant to de-icing chemicals
- ◆ Excellent freeze-thaw resistance
- ◆ Exceptional workability
- ◆ Dries concrete gray

Coverage

One pound of **Octoskim(.45 kg)** will cover an area 1 square foot and 1/8 inch thick (.09 m² x 3.2 mm thick).

Packaging

Octoskim is packaged in 10 lb. (4.5 kg) and 50 lb. (22.7 kg) pails, as well as 500 lb. (226.8 kg) drums. Shelf life: 1 year in unopened pails. 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 590 psi (4.1 MPa) 3 Day 2115 psi (14.6 MPa) 7 Day 4600 psi (31.7 MPa) 28 Day 5500 psi (37.9 MPa)
Shear Strength	(MIL-B-19235A)	10 Day 245 psi (1.7 MPa) 28 Day 455 psi (3.1 MPa)
Tensile Strength	(ASTM C190)	7 Day 425 psi (2.9 MPa) 28 Day 580 psi (4.0 MPa)
Flexural Strength	(ASTM C348)	7 Day 710 psi (4.9 MPa) 28 Day 1305 psi (9.0 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 achieved by mechanical means and methods. Surfaces must be SSD (Surface Saturated Dry) prior to the application of Octoskim.

IPA SYSTEMS, INC

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Mixing

The viscosity of the mixed **Octoskim** can be controlled by the amount of additive put into the mix. If low slump is desired, use slightly less additive and vice versa where more fluid material is desired. Make sure the powder is completely wetted out and free of lumps. Best results are obtained by adding powder into liquid acrylic component while mixing. Mix for 3 minutes until uniform.

Application

Octoskim is a very plastic material and can be applied with a large putty knife or metal trowel with equal ease. A two-coat application usually produces a smoother finish. Allow the first coat to become firm, but not dry, before applying the second coat. If finish surface is not as smooth as desired after the first troweling, return over the area immediately with a brush or trowel dipped in water and refloat the entire area to the desired finish. Exterior repairs should be finished immediately since sun and wind cause rapid evaporation and hasten set time. Thin layers set faster than thicker layers. Once set has occurred, **Octoskim** should not be sprinkled with water. Once applied, finish should not be disturbed. Do not mix more material than can be applied in a half hour. **Octoskim** should never be applied in a thickness greater than 1/4 inch (6.4mm) in a single application. Thick applications should be performed in lifts for best results.

Limitations

- ◆ Minimum material, surface and ambient temperature must be 40°F (4.4°C) and rising
- ◆ Maximum lift: 1/4 inch
- ◆ 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 **Octoskim**. Clean equipment with water.

Caution

FOR INDUSTRIAL USE ONLY:

Contact with liquid may cause eye irritation. Prolonged skin contact may cause some irritation. Avoid inhalation of vapor or mist to prevent irritation of the nose, throat and lungs. Signs of overexposure are headache and nausea. Move affected person to fresh air. Freshly mixed cement, mortar, grout, or concrete may cause minor skin irritation. Avoid direct contact where possible and wash exposed skin areas 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. See MSDS for additional safety 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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