



OCTOSKIM

Skim Patch Overlay and Underlayment

For Concrete and Masonry

OCTOSKIM® – Product Data Sheet

Two Component Acrylic Cement Patch Kit

Description:

OCTOSKIM Acrylic Cement Patch is a high strength patching and resurfacing compound. **OCTOSKIM** is modified with acrylic latex to provide maximum durability, excellent bonding qualities, and proper hardness for long and efficient service life. Designed for ¼ inch maximum thickness overlay.

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. **OCTOSKIM** is modified to provide high early strength properties. **OCTOSKIM** patches are self curing and ready to accept heavy traffic within 10 to 24 hours.

Uses:

- ◆ Patching shallow holes and cracks
- ◆ Resurfacing and leveling concrete floors
- ◆ Filling settlement cracks and flash patching uneven areas
- ◆ Pointing and repairing flagstone walks and patios
- ◆ As a tile and carpet underlayment
- ◆ Filling and sealing concrete block surfaces
- ◆ Repairing swimming pool surface defects

Advantages:

- ◆ **OCTOSKIM** has high strength characteristics that make it a hard yet resilient surface. It has excellent adhesion to other surfaces, and has the same coefficient of expansion as concrete.
- ◆ Resistant to de-icing chemicals
- ◆ Superior Bond — can be used above grade or below grade
- ◆ High strength
- ◆ Easy to mix and apply — Add **OCTOSKIM** Powder to **OCTOSKIM** Liquid
- ◆ Exceptional workability — trowel application
- ◆ Fast setting and self curing compound

TECHNICAL DATA

Physical Properties:

<u>Test</u>		<u>Results</u>
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)

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<u>Test</u>		<u>Results</u>
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 Preparation: Surface 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 may be accomplished by accepted water blast, mechanical or chemical methods. Surface must be damp prior to application of **OCTOSKIM**. **OCTOSKIM** should never be applied in a thickness greater than ¼ inch (6.4 mm) in single applications. Thick coatings should be built-up in layers for best results. **OCTOSKIM** may also be applied in skim coat application and feather edged with a steel trowel. Feather edges should not be applied in areas exposed to vehicular traffic.

Mixing: **OCTOSKIM** as it is packaged is a complete kit. Nothing other than the included acrylic additive should be added. **DO NOT** add convenience water. Remove the acrylic additive from the primary container, open and mix slowly with the powder until a smooth mortar consistency is obtained. 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.

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. Outdoor 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.

Curing:

Material is self curing under most conditions. However, it must be protected from conditions that will cause rapid drying such as wind, high temperature, or low humidity.

Clean-up:

Cleanup must be done immediately due to high bonding characteristics of **OCTOSKIM**. Clean equipment with water.

Packaging and Yield:

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. 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).

Limitations:

Do not install **OCTOSKIM** unless substrate and air temperature is at least 40°F (4.4°) and rising for the next 48 hours. Do not apply to a frozen surface. Do not apply to asphalt or to painted surfaces. **DO NOT USE SOLVENT BASED CURING COMPOUNDS**. Do not use **OCTOSKIM** after it has set or has become too stiff for application. Shelf life is one year in unopened pail.

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 DRAWINGS 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, salespersons 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.