

FLOMIX FOR ASPHALT REPAIR

FloMix is a quick-setting, water and fuel-proof, long-lasting flexible polymer asphalt.

PRODUCT DESCRIPTION

FloMix is a low-viscosity, waterproof, two-component urethane consisting of equal parts of A side, a diphenylmethane di-isocyanate urethane pre-polymer, and of B side, a polyether diols triols. FloMix is 100% solids and contains no VOCs. FloMix kit includes 1/2-Gal A side Polymer, 1/2-Gal B side Polymer, 12lb. Black Polymer-Coated Topping Sand, and 30lb. Polymer-Coated Aggregate.

USES

FloMix can be used for small-to-medium sized asphalt repairs to varying depths, where cold mix won't last and where hot mix or heavy-compacting equipment is unavailable. FloMix is a fully self-contained polymer and coated aggregate combo which, when mixed, creates a flow-able, trowel-able, polymeric concrete slurry for a quick and easy, long-lasting asphalt repair. For deeper repairs add up to 25-pounds of additional aggregate. FloMix is also available in 3-gallon kits for smaller repairs.

BENEFITS

The reaction is fast. Thin, equal volume, "A" and "B" liquid polymers are combined and the reactive mix percolates over aggregates and solidifies in two minutes. It cures to a flexible polymer pavement suitable for repairing spalls and potholes, matching grades, smoothing rough pavements, and repairing rutting. Product can smooth mismatching grades of adjacent asphalt. When used without preplaced aggregates FloMix can be used as a joint sealant for control joints, utility cuts or traffic loops.

Asphalt cracked and damaged by overloading, freeze/thaw spalling, or fires can be easily re-surfaced. Decks are sealed and waterproofed. High traction surfaces are easily created.

AGGREGATE

ROKLIN'S FloMix kit includes 12lb. Black Polymer-Coated Topping Sand and 30lb. Polymer-Coated Aggregate.

MIXING

- Carefully pour all of "A" liquid into bucket with sand (avoid splashing).
- Shake "B" for 2 minutes. If using catalyst, add to "B" bottle and mix for 1 minute.
- Add all of "B" liquid to "A"/sand mixture.
- Mix thoroughly for 1 minute minimum.

Note: working time after mixing is approximately 7 minutes at 75° F.

APPLICATION PROCEDURES

Asphalt must be clean and dry before beginning repair. Add catalyst in temperatures below 45°. In temperatures over 100° keep material cool prior to use.

Surface Preparation: Remove loose and unsound material. Clean and blow out cracks with dry compressed air. Apply only to dry surfaces. Moist surfaces create weak bond. Use opened pails right away to avoid moisture contamination.

Coverage: 5-Gal FloMix kit fills approximately 0.4 cubic feet (without added rock).

Installation: Squeegee or trowel thin FloMix slurry over repair area. Broadcast black topping sand over surface. For deep repairs, place FloMix in lifts, topping each lift with aggregate. Installation temperatures are between -25° C to 40° C (-14° F to 104° F).

CURING

A FloMix repair can typically be ready for traffic in about 20 minutes at 70° F with the cure faster in warmer temperatures and slower in colder temperatures. Cold weather cure is accelerated by keeping FloMix warm prior to application.

EFFECT OF TEMPERATURE ON SET TIME

TEMPERATURE	SET TIME	RETURN TO SERVICE
80-100 degrees F.	5-6 minutes	20 minutes
60-80 degrees F.	10 minutes	30 minutes
40-60 degrees F.	20 minutes	60 minutes
20-40 degrees F.	30 minutes	90 minutes



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TECHNICAL DATA SHEET / FLOMIX

FLOMIX FOR ASPHALT REPAIR

PRODUCT DATA

Physical Test Requirements. Elastomeric asphalt will conform to the following physical test requirements per NYS DOT Standard Specification 701-11:

New York State DOT Contact: Guy Hildreth 518-485-5431

TESTS	Roklin Systems PolyFlex DS Black*
Resilience	Pass
5 hr. Compressive Strength	2,100+ psi
24 hr. Compressive Strength	3,800+ psi
7-Day Tensile	500+ psi
7-Day Tear	200+ lbf/in
Pot Life	10 minute

- Quick Set - Less Than 10 Min
- Minimal Prep - No Primer Required
- Shorter Traffic Closures - Reduced Labor Costs
- Waterproofs Both Asphalt and Concrete
- Protection Against Oils, Gasoline Hydraulic/Brake Fluids and Water
- Longer Lasting Than Conventional Repair Materials
- Odorless and Vaporless

*The information shown in the table are the results of the New York State DOT Materials Testing Laboratory test of Roklin Systems' PolyFlex DS Black, which is the black polymer-only version of FloMix.

STORAGE & RETURN

Store in cool, dry area, in closed containers and out of direct sunlight in rooms with ambient temperatures maintained between 32° and 80° F.

Our products are manufactured to conform to the specifications published in our product data sheets. We do not warranty the performance of Roklin materials or equipment, but will accept for return any product that does not meet the published specification.

We will accept product returns only if the following conditions are met:

1. Contact your sales rep to authorize a return. We will review each request before issuing return authorization.
2. Only unopened containers can be returned if unused product is within specification. If either the chemical or aggregate packaging has been opened, we cannot offer credit for the material.
3. Customers will be responsible for all freight costs for in-specification product that is being returned.
4. Returned product may be subject to a 20% restocking charge, which will be deducted from any credit issued.

HEALTH AND SAFETY INFORMATION

EYE CONTACT: Immediately flush eyes with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and treated by medical personnel.

INHALATION: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is labored, give oxygen. Consult medical personnel.

SKIN CONTACT: Wash material off the skin with plenty of soap and water. If redness, itching, or a burning sensation develops, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.

INGESTION: Do not induce vomiting. Give 1 or 2 glasses of water to drink and refer person to medical personnel. Never give anything by mouth to an unconscious person.