

FLEXSET FOR CONCRETE REPAIR

FlexSet is a quick-setting, water and fuel-proof, long-lasting flexible polymer concrete.

PRODUCT DESCRIPTION

FlexSet is supplied in three and five gallon kits with pre-measured amounts of chemical and aggregate in each container. Each 5-gallon kit will deliver 0.4 cubic feet which will cover approximately 50 sq. ft. at a thickness of 1/8".

FlexSet Crack Repair components can be mixed in the bucket with a hand drill, or for larger repairs, in our low cost MotorMix Machine. The material has a 6-8 minute working time at 75°F.

Concrete Repairs can be completed using FlexSet Concrete Repair in minutes with a few simple steps. There is no need for saw cutting or use of a primer. The resulting repair can be put back into service in as little as 30 minutes.

USES

Use FlexSet for small-to-medium sized shallow concrete repairs where a flexible repair is required. For deeper repairs, add up to 25- pounds of aggregate. FlexSet is also available in 3-gallon kits for smaller repairs.

BENEFITS

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.

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

AGGREGATE

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

MIXING

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

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

APPLICATION PROCEDURES

Concrete 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 FlexSet kit fills approximately 0.4 cubic feet (without added rock).

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

CURING

A FlexSet 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 FlexSet warm prior to application, and adding catalyst.

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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PRODUCT DATA

Physical Test Requirements. Elastomeric concrete 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 FlexSet.

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.