

**; ECSET FOR CONCRETE REPAIR**

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

**PRODUCT DESCRIPTION**

YcSet 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".

YcSet 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 YcSet 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 YcSet for small-to-medium sized shallow concrete repairs where a flexible repair is required. For deeper repairs, add up to 25- pounds of aggregate. YcSet 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**

; YcSet 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 YcSet kit fills approximately 0.4 cubic feet (without added rock).

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

**CURING**

A YcSet 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 YcSet 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	Alligator Glue*
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 Alligator Glue, which is the black polymer-only version of ; YcSet.

**STORAGE & RETURN**

**HEALTH AND SAFETY INFORMATION**

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

**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.

Our products are manufactured to conform to the specifications published in our product data sheets. We do not warranty the performance of other materials or equipment. Please see our website for more details: <http://www.geocheminc.com/disclaimer.htm>

**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.

**DISCLAIMER**

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

**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.

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