

SAUEREISEN

CONCRETE - FAST PATCH NO. 149

ConoCrete - Fast Patch No. 149 is a three-component, fast setting epoxy monolithic that is designed for patching cracks and holes. This material is ideal for use on highways, bridge decks, docks, ramps, traffic aisles, industrial floors and airport runways. Fast Patch No. 149 produces extremely high strengths and takes an initial cure in just two hours.

CHARACTERISTICS

- Skid-resistant profile for safety.
- Two hour set minimizes downtime.
- Gray color.

AREA PREPARATION

Temperature of Working Area

For optimum conditions, maintain a temperature of 60°-85°F on air, substrate, Hardener, Resin and Aggregate components during mixing, application and cure.

The monolithic components should be maintained at 65°F to 80°F for 48 hours prior to beginning work.

At temperatures below 65°F, the application becomes more difficult and curing is retarded. Above 80°F, the material working time decreases.

Application in direct sunlight and rising surface temperature may result in blistering of the materials due to expansion of entrapped air or moisture in the substrate. In rising temperatures it may be necessary to postpone the application or apply during cooler hours.

Surface Preparation

Old Concrete - Concrete must be dry, firm and must have the necessary strength to withstand imposed loads during normal use and operation. Mechanical methods should be utilized to remove laitance, old paints, protective coatings, and attacked or deteriorated concrete. Surfaces should be made free of oil, grease, water, and other contaminants that may inhibit bond. This can be achieved by chemical cleaning.

PHYSICAL PROPERTIES

Application time (ASTM C-308 modified)	
Working time at 70°F	10 minutes
Initial set	2 hours
Bond strength to concrete (ASTM D-4541)	Concrete failure
Components	3 parts
Compressive strength (ASTM C-579)	
1 hour	1,600 psi
2 hour	5,900 psi
3 hour	7,900 psi
13 hours	9,300 psi
24 hours	10,000 psi
Density (ASTM C-905)	132 pcf (2.1 gm/cm ³)
Flexural strength (ASTM C-580)	4,100 psi (288.2 kg/cm ²)
Modulus of elasticity (ASTM C-580)	2.2 x 10 ⁶ psi (1.5 x 10 ⁵ kg/cm ²)
Tensile strength (ASTM C-307)	3,000 psi (210.9 kg/cm ²)

Physical properties were determined on specimens prepared under laboratory conditions using applicable ASTM procedures. Actual field conditions may vary and yield different results; therefore, data are subject to reasonable deviation.

Abrasive blast, high-pressure water blast, or acid etch concrete to obtain uniform sound substrate.

All prepared surfaces must be allowed to thoroughly dry prior to Fast Patch application. Regardless of preparation method used, all surfaces must be vacuumed to remove any loose deposits or contaminants.

Transition Detail "Key"

All exposed perimeter edges, including doorways, drains, traffic aisle sides, etc., must be saw cut to a minimum depth of 1/2 inch then chipped out at a 45° angle on the inside of the area to be resurfaced with ConoCrete - Fast Patch. All saw cutting and keying should be done prior to final surface preparation. Contact Sauereisen if more detail is required.

APPLICATION

Mixing

Packaging consists of premeasured unitized containers of Hardener Part A, Resin Part B, and Aggregate Part C. Remove containers of Hardener Part A and Resin Part B from the five gallon pail. Remix Part A and B before combining.

Do not remove Aggregate Part C, using the five gallon pail as the mixing container. Completely empty contents of Resin Part B into the five gallon pail. Using a slow-speed 1/2 inch drill motor affixed with a "Jiffy" type blade, mix thoroughly until blended to uniform color.

Add Hardener Part A to Resin/Aggregate blend and mix for two minutes until uniform in consistency. Mix only complete batches. Material which has begun to set must be discarded. Do not add any solvent, additive, or adulterant to any component or mixed material.

Installation

Material must be placed immediately after mixing. Do not let mixed material remain in mixing vessel. Use tamper and steel trowel to compact and finish surface. Finishing must be completed within 10 minutes from mixing.

COVERAGE

No. 149 unit 4 ft² per unit at 1" thick
or approximately .33 ft³.

*Coverage is theoretical and will vary depending upon surface conditions, porosity, application techniques and specific project conditions.

SETTING/CURING

Do not allow water, chemicals, or traffic on the material surface for a minimum of 2 hours at 70°F.

TOPCOAT

ConoCrete - Fast Patch No. 149 does not require a topcoat; for specific service conditions, a topcoat may be desirable. Contact Sauereisen for a recommendation on your application.

PACKAGING

Regular unit: 40 pounds shipping weight. One five gallon pail containing:

Part A Hardener	- 1 quart can
Part B Resin	- 1/2 gallon can
Part C Aggregate	- Loose aggregate within pail

*Containers are filled by weight, not volume. Container size does not indicate volume of contents.

CLEAN-UP

All equipment should be cleaned with MEK or N-methyl pyrol before material cures. If removal is required after cure consult Sauereisen for specific recommendation.

SHELF LIFE

ConoCrete - Fast Patch No. 149 has a shelf life of one year when stored in unopened, tightly sealed containers in a dry location at 70°F. Avoid freezing. If there is a doubt as to the quality of the materials, consult a Sauereisen representative.

CAUTION

Consult Material Safety Data Sheets and container label Caution Statements for hazards in handling these materials.

WARRANTY

We warrant that our goods will conform to the description contained in the order, and that we have good title to all goods sold. WE GIVE NO WARRANTY, WHETHER OF MERCHANTABILITY, FITNESS FOR PURPOSE OR OTHERWISE, EXPRESS OR IMPLIED, OTHER THAN AS EXPRESSLY SET FORTH HEREIN. We are glad to offer suggestions or to refer you to customers using Sauereisen cements and compounds for a similar application. Users shall determine the suitability of the product for intended application before using, and users assume all risk and liability whatsoever in connection therewith regardless of any suggestions as to application or construction. In no event shall we be liable hereunder or otherwise for incidental or consequential damages. Our liability and your exclusive remedy hereunder or otherwise, in law or in equity, shall be expressly limited to our replacement of nonconforming goods at our factory or, at our sole option, to repayment of the purchase price of nonconforming goods.

- Distributors and agents in major cities throughout the world. Consult manufacturer for locations.**
- Information concerning government safety regulations available upon request.**
- Sauereisen also produces inorganic compounds for assembling, sealing, electrically insulating and grouting.**

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