

# SAUEREISEN

## UNIVERSAL BLOCK FILLER NO. 509

Sauereisen Universal Block Filler No. 509 is a moist-cured urethane formulation specifically designed to fill small voids, irregularities, and air pockets in concrete. No. 509 provides a smooth surface prior to application of vinyl ester and urethane protective barriers.

### CHARACTERISTICS

- Maximum service temperature of 400°F (204°C).
- Fills and seals irregularities in concrete and brick substrates.
- Easy to apply.
- Quick set time.

### AREA PREPARATION

#### Temperature of Working Area

Maintain a temperature of 60°-85°F on air, substrate, Liquid and Filler components during mixing, application, and cure. The material components should be maintained at 65°F to 85°F for 48 hours prior to use.

Universal Block Filler No. 509 can be applied at temperatures as low as 20°F as long as surfaces are free of frost. At low temperatures the cure time will increase. Above 85°F, the material working time decreases and it is recommended that the materials components be stored in cooler areas prior to using.

#### Surface Preparation

Concrete - Refer to SSPC-SP13/NACE 6 "Surface Preparation of concrete" for detailed guidelines.

Surfaces should be dry and made free of oil, grease, water and other contaminants that may inhibit bond. This can be achieved by chemical cleaning.

*New Concrete* - Abrasive blast, high-pressure water blast, or acid etch concrete to remove laitance and obtain uniform surface texture.

### PHYSICAL PROPERTIES

Components	2 part
Drying time	
to touch	1-2 hours
to recoat	2 - 24 hours
pot life	4 hours
Maximum service temperature	400°F (204°C)
Percent solids	53%

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.

*Old Concrete* - Abrasive blast or high-pressure water blast to obtain uniform sound substrate free of all foreign particles. Concrete must be firm and structurally sound as specified by the architect/engineer.

*Brick* - Abrasive blast or high-pressure water blast to remove all foreign particles and attacked or unsound mortar from the joints. Loose brickwork should be regouted with No. 509. All active hydrostatic leaks must be stopped with Sauereisen InstaPlug No. F-180 prior to No. 509 application.

If chemical cleaning is utilized to remove contaminants, substrate must be neutralized. If abrasive or high-pressure water blasting is used as the method of surface preparation, all sand and/or debris must be removed by thoroughly vacuuming the area with an industrial vacuum cleaner. If surface does not have desired conditions, repeat surface preparation procedure.

### APPLICATION

#### Mixing

When mixing No. 509, workers should wear appropriate ventilation and/or respiratory equipment. Shake the Liquid component container prior to opening. Pour the Liquid contents into a 2-gallon pail. Using a "Jiffy" mixer, add Filler and continue mixing until thoroughly blended. Mix only complete batches. Material

which has begun to set must be discarded. Do not try to retemper the material.

DO NOT use wooden tools or instruments as the moisture in the wood will react with the No. 509.

Keep the container tightly sealed when not in use.

#### Installation

To maximize working time, spread mixed No. 509 onto a plasterer's hawk upon completion of the mixing. Apply No. 509 to concrete with a smooth plasterer's rubber float. After application, excess material must be removed by using the edge of the float or squeegee.

### COVERAGE

Square feet per unit at 1 mil dry film thickness:

<b>Large Unit</b>	<b>Small Unit</b>
1900.13 ft <sup>2</sup>	475.03 ft <sup>2</sup>

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

### SETTING/CURING

Universal Block Filler No. 509 will dry to the touch in approximately 1-2 hours at 70°F. Recoating should occur no sooner than two hours after application. No. 509 must be topcoated within 24 hours. No. 509 must be protected from the weather until cured or topcoated.

## PACKAGING

### Small Unit:

Liquid: 2.04 lbs. in a quart can  
Filler: 2.66 lbs. in a plastic bag

### Large Unit:

Liquid: 8.16 lbs. in a 1-gal. can  
Filler: 10.64 lbs. in a plastic bag

## CLEAN-UP

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

## SHELF LIFE

Sauereisen No. 509 Liquid has a shelf life of six (6) months and the Filler has a shelf life of one (1) 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 non-conforming goods at our factory or, at our sole option, to repayment of the purchase price of non-conforming 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.**

**SAUEREISEN** ...since 1899  
160 Gamma Drive  
Pittsburgh, PA 15238-2989 U.S.A.  
Phone 412.963.0303 Fax 412.963.7620  
www.sauereisen.com