

# SAUEREISEN

## URETHANE FILLER COMPOUND NO.309

### PHYSICAL PROPERTIES

Bond Strength to Concrete (ASTM D4541)	Concrete Failure
Components	3-Parts
Percent Solids by Volume	100%
Volitile Organic Compounds (VOC)	0.0 g/L
Working Time @ 70°F	15 minutes

Sauereisen Urethane Filler Compound No. 309 is an urethane formulation specifically designed to fill voids, irregularities, and air pockets in concrete. The filler compound provides a uniform surface for the application of Sauereisen ConoFlex Urethane No. 381.

### CHARACTERISTICS

- Fills and seals irregularities in concrete and brick substrates.
- Must be applied over ConoPrime No.502
- Easy to apply.
- Quick set time.

### AREA PREPARATION

#### Temperature of Working Area

Maintain a temperature of 50°-90°F on air, substrate, activator, resin and powder components during mixing, application, and cure for optimum results. The material components should be maintained at 50°F - 80°F for 48 hours prior to use. Ambient temperature must be at least 5°F above dew point.

#### Surface Preparation

**All concrete and masonry surfaces require application of ConoPrime No. 502 prior to application of Sauereisen Urethane Filler Compound No. 309.**

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

*New Concrete* - All structures must have the necessary strength to withstand imposed loads during normal use and operation.

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.

Substrates must be free of oil, grease, and other contaminants that may inhibit bond. This can be achieved by chemical cleaning. Abrasive blast, or high-pressure water blast to remove laitance and to obtain a uniform surface texture exposing fine aggregate resembling coarse sandpaper.

After ConoPrime No. 502 is applied, the surfaces should be floated with Sauereisen Urethane Filler Compound No. 309 to fill all voids and depressions.

*Old Concrete* - Concrete must be dry, firm and must have the necessary strength to withstand imposed loads during normal use and operation.

Surfaces must be free of oil, grease, and other contaminants that may inhibit bond. This can be achieved by chemical cleaning. Mechanical methods should be utilized to remove laitance, old paints, protective coatings, and attacked or deteriorated concrete.

For concrete substrates, abrasive blast or high-pressure water blast to obtain a clean, uniform, and sound substrate. All structural cracks should be repaired. All slopes should be reestablished.

*Brick* - Surfaces must be free of oil, grease, and other contaminants that may inhibit bond. This can be achieved by chemical cleaning. Abrasive blast or high-pressure water blast all foreign particles and attacked or unsound mortar from the joints.

*Brick (continued)* - Loose brickwork should be regouted with appropriate Sauereisen mortar to ensure structural integrity. Mortar joints should be repointed to be flush with the face of the masonry units.

When chemical cleaning, 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 surfaces do not meet desired conditions, repeat surface preparation procedures.

### APPLICATION

#### Mixing

Add Part C Powder to the Part B Resin component and blend thoroughly. See *Material Safety Data Sheet for proper handling of Part C powder.*

Add contents of Part A Activator to the resin-powder component and mix for a minimum of 3 minutes. Mix only complete batches.

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

## Installation

### Apply ConoPrime No. 502 prior to application of Urethane Filler Compound No. 309

To maximize working time, spread mixed No. 309 onto a plasterer's hawk upon completion of the mixing. Apply No. 309 to the primed concrete or masonry substrate with a smooth plasterer's rubber float or steel trowel. Remove excess of No. 309 with the edge of the float, trowel, or squeegee.

## COVERAGE

### No. 309 Regular Unit

1604 ft<sup>2</sup> per unit at 1 mil thick.

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

## SETTING/CURING

Sauereisen No. 309 has a working time of approximately fifteen minutes at 65°F. The material takes an initial set in roughly three hours at 65°F. This minimum cure time of 15 minutes should elapse prior to topcoating.

No. 309 may be recoated with Sauereisen Urethane No. 381 within 24 hours when the surface temperature is maintained at 50°F-90°F. In all cases, the surface must be free from any contaminants.

Please consult Sauereisen's Technical Service Department prior to any recoat applications exceeding 24 hours.

## PACKAGING

No. 309 (Gallon Unit) - 11.5 lbs  
Part A Activator - 2.58 lbs. in a quart can  
Part B Resin - 8.14 lbs in a 2-gallon pail  
Part C Powder - 0.33 lbs in a plastic bag

A two gallon plastic pail will allow adequate room for proper mixing.

## 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 Filler Compound No. 309 has a shelf-life of 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

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