

SAUEREISEN

RESTOKRETE No. 208

Sauereisen RestoKrete No. 208 is a substrate repair material and water resistant barrier for prevention of inflow and infiltration in concrete or brick substrates.

RestoKrete No. 208 is an epoxy-based mortar specified for substrate repair where structural integrity needs to be restored. RestoKrete No. 208 is designed to fill voids, irregularities, and air pockets in concrete.

CHARACTERISTICS

- o Pumpable and sprayable through straight shot nozzle
- o Moisture tolerant.
- o Can be applied by spincast spray nozzle
- o Trowelable
- o Designed to be top-coated with most Sauereisen systems including ConoFlex No. 381

AREA PREPARATION

Temperature of Working Area

For optimum conditions, the substrate should be maintained at 60°F to 85°F for 48 hours prior to beginning work.

At temperatures below 60°F, the application becomes more difficult and curing is retarded.

Above 85°F, the material working time decreases. It is recommended that the material components be stored in a cooler area prior to mixing.

PHYSICAL PROPERTIES

(At seven days, unless noted otherwise)

Bond Strength to Concrete (ASTM 7234)	Concrete Failure
Bond strength by Slant Shear (ASTM C-882)	1,027 psi (72.19 kg/cm ²)
Density (ASTM C-20)-wet density	108.5 pcf (1.73 kg/m ³)
Recoat Window with SewerGard Systems	5 hours to 72 hours
Tensile strength (ASTM C-307)	830 psi (58.34 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.

Surface Preparation

Surfaces should be made free of oil, grease, water, and other contaminants that may inhibit bond.

Concrete must be firm and structurally sound as specified by the architect/engineer.

Hydroblasting should be utilized to remove laitance, contaminants, or loose particles and to produce a clean, sound surface. All standing surface water should be removed prior to applying RestoKrete No. 208.

APPLICATION

Mixing

Mixing should be done mechanically with a slow speed mortar mixer or drill motor with a "Jiffy" type mixing blade to obtain a uniform consistency. The mixing equipment must be clean and free of contaminants.

Remix Hardener (Part A) by shaking the container. Remix contents of the Liquid component (Part B) for a minimum of 2 minutes with a slow speed paddle or "Jiffy" mixer. Combine contents of Hardener to Liquid and mix for a minimum of 2-3 minutes. Add Powder (Part C) and continue mixing for 2-3 minutes or until thoroughly blended. Mix only complete batches.

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

Installation

By Trowel Method:

Sauereisen RestoKrete No. 208 can be applied by trowel at a thickness up to 1/2 inch.

To maximize working time, spread mixed No. 208 onto a plasterer's hawk upon completion of the mixing. Apply No. 208 to concrete with a smooth plasterer's rubber float or steel trowel. After application, excess material may be removed by using the edge of the float or trowel.

Sauereisen No. 208 may be used as a skim coat to provide a uniform surface over new concrete. In these applications, the number of surface voids to be filled in the concrete will vary. For estimating purposes, a regular unit of No. 208 will cover approximately 49 ft² @ 1/16 inch thickness. No. 208 large unit will cover approximately 99 ft² @ 1/16 inch thickness when used as a skim coat.

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

APPLICATION - *continued*

By Spray Method

When using a mobile rotor-stator pump, apply a uniform coat at a thickness of 1/16 to 1/4 inch. The following equipment is typical for rotary sprayed applications of substrate resurfacing materials:

Rotor/Stator Pump outfitted with an appropriate spincaster nozzle or a straight shot nozzle for rotary spray applications.

Moisture Separator for collecting condensation within air lines.

Material Hose of 1" to 1-1/4 inch diameter and 15 feet length with internal expanded male ends and cam locks, with capacity of 300 psi required.

Air Hose of 1/2 inch diameter and 50 feet length from compressor to wet spray nozzle. Specify 200 psi and 2 lug Chicago fittings.

Air Hose of 1 inch diameter and 15 feet length from Moisture Separator to Spinning Nozzle Assembly. Specify 200 psi capacity with one end Chicago fitting and one end brass female swivel.

Cam-Lock Couplings of 1 inch and 3/4 inch diameter (2 sets each).

Miscellaneous Parts

- * 3/16 - 1/4 inch spray tips
- * Tip retainer nut
- * Pole gun assembly

Other Outside Source Equipment

- * 180 cfm Air Compressor
- * 5500 watt Generator with 220 volt single phase

FINISHING

If Sauereisen No. 208 is applied by trowel or spray, finishing after material placement is optional. A broom or brush finish is not required.

SETTING/CURING

Proper curing of No. 208 is critical to the serviceability of the completed structure. No. 208 may be top coated after its initial set in 5 hours at 70°F. Final set is achieved at 48 hours at 70°F

COVERAGE

When mixed at the proper ratio of powder, liquid and hardener, a unit of No. 208 will yield the following:

Regular Units	
449.5 in ³ per unit.	
24.96 ft ² per bag	@ 1/8 inch thickness.
12.48 ft ² per bag	@ 1/4 inch thickness.
6.24 ft ² per bag	@ 1/2 inch thickness
Large Units	
898.59 in ³ per unit.	
49.92 ft ² per bag	@ 1/8 inch thickness.
24.96 ft ² per bag	@ 1/4 inch thickness.
12.48 ft ² per bag	@ 1/2 inch thickness

PACKAGING

No. 208 RestoKrete is packaged in a Regular Unit (28.11 lbs.) and a Large Unit (56.25 lbs.)

Regular Units 28.11 pounds

Part A- Hardener 4.72 lbs(0.3377 gal)
packaged in a 3.5 gallon plastic pail

Part B-Resin 3.39 lbs (0.5619 gal)
packaged in a 1-gallon metal can

Part C-Powder 20 lbs
packaged in a paper bag

Large Units 56.25 pounds

Part A- Hardener 9.45 lbs(0.6756 gal)
packaged in a 5 gallon plastic pail

Part B-Resin 6.79 lbs (1.1239 gal)
packaged in a 1-gallon metal can

Part C-Powder 40 lbs
packaged in a paper bag

CLEAN-UP

All equipment should be cleaned by scrubbing with a stiff brush and water at the end of each working period or when build-up becomes pronounced. A mild abrasive should be recirculated through the pump and hoses.

SHELF LIFE

Sauereisen No. 208 has a shelf life of one (1) year when stored unopened 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.

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

SAUEREISEN ..since 1899

160 Gamma Drive
Pittsburgh, PA 15238-2989 USA
Phone 412.963.0303 Fax 412.963.7620
www.sauereisen.com