



RESTOKRETE® HI-BUILD FILLER COMPOUND NO. 209HB

PHYSICAL PROPERTIES

Application time	
Working time at 70°F	30 minutes
Recoat window at 70°F	From 4 - 6 hours (minimum) up to 72 hours (maximum)
Bond strength to concrete (ASTM D-4541)	Concrete failure
Components	3 parts
Compressive strength @ 7 days	5,020 psi (353 kg/cm ²)
Density (ASTM C-905)	47.3 pcf (0.76 gm/cm ³)
Maximum service temperature	150°F (65°C)
Tensile strength @ 7 days	1,645 psi (116 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.

RestoKrete® Hi-Build Filler Compound No. 209HB is an epoxy material specifically designed to fill larger voids, air pockets and irregularities. No. 209HB provides a smooth finish and appropriate bonding surface for epoxy topcoats.

RestoKrete® Hi-Build Filler Compound is formulated to minimize sagging which permits thick application of the product where necessary. Do not use with vinyl ester topcoats.

CHARACTERISTICS

- Seals gaps and other irregularities in concrete and brick substrates.
- Suitable for filling voids larger than typical concrete bugholes.
- Easy to apply.

AREA PREPARATION

Temperature of Working Area

Maintain a temperature of 60°-90°F on air, substrate, Hardener, Liquid and Powder components during mixing, application, and cure. The material components should be maintained at 65°F to 85°F for 48 hours prior to use.

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.

Shading the substrate and using ice water to cool mixing equipment is not uncommon. In extreme temperatures it may be necessary to postpone the application or apply during cooler hours.

Surface Preparation

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

New Concrete - Surfaces should be made free of oil, grease, water, and other contaminants that may inhibit bond. This can be achieved by chemical cleaning. Abrasive blast, high-pressure water blast, or acid etch concrete to remove laitance and obtain uniform surface texture.

Old Concrete - Surfaces should be made free of oil, grease, water and other contaminants that may inhibit bond. This can be achieved by chemical cleaning. Abrasive blast or high-pressure water blast to remove all foreign particles and attacked or unsound concrete and obtain uniform sound substrate. Concrete must be firm and structurally sound as specified by the architect/engineer.

Brick - Surfaces should be made free of oil, grease, water, 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.

Loose brickwork should be regouted with No. 209HB. All active hydrostatic leaks must be stopped with Sauereisen InstaPlug™ No. F-180 prior to RestoKrete™ No. 209HB 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

Priming

Primer is not required with the use of No. 209HB. However, when necessary, an epoxy primer may be used in conjunction with No. 209HB to minimize out-gassing in the concrete substrate. Consult Sauereisen's Technical Service Department for recommendations for this type of application/requirement.

Filler Compound Mixing

Remix contents of Liquid component for a minimum of 2 minutes with a slow speed paddle or "Jiffy" mixer. Remix Hardener by shaking. Combine contents of Hardener to Liquid and mix for a minimum of 3 minutes. Gradually add Powder 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.

Filler Compound Installation

Spread the RestoKrete® Hi-Build Filler Compound onto a plasterer's hawk after mixing. This will maximize working time. Apply RestoKrete® No. 209HB to concrete with a smooth plasterer's rubber float. After application, excess material must be removed by using the edge of the float or a squeegee.

Another method of applying No. 209HB is to utilize a pump and portable injection equipment. Consult Sauereisen for details.

COVERAGE

The theoretical coverage is 5,000 ft² per unit at 1 mil thick. At the thickness of 1/8 inch (125 mils) the approximate coverage will be 40 ft² per unit. Since the actual required thickness will vary, estimates must be calculated as needed.

Coverage is theoretical and will be affected by surface conditions, porosity, application techniques and project specifics.

SETTING/CURING

RestoKrete® Filler Compound No. 209HB has a working time of 30 minutes at 70°F. The material takes an initial set in a matter of hours. No. 209HB Filler Compound can be topcoated after 4 - 6 hours at 70°F.

No. 209HB has a maximum recoat window of 72 hours at 70°F. Consult Sauereisen's Technical Service Department for recommendations when the recoat window will exceed 72 hours. In all cases, the surface of the No. 209HB must be clean and free of all contaminants, including amine blush, prior to recoating

For temperatures below 70°F, working time and set time are retarded. For temperatures above 70 ° F the working time and set time are accelerated.

PACKAGING

The three components of RestoKrete® No. 209HB are packaged as a 19.98 pound unit.

No. 209HB Unit - 19.98 pound unit

Part A - Hardener	3.51 lbs.
packaged in a metal gallon can	
Part B - Resin	7.59 lbs.
packaged in a 5-gallon plastic pail	
Part C - Powder	8.88 lbs.
packaged in a brown-plastic lined bag	

When No. 209HB is mixed together it is 2.48 Gallon (9.38L)

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 RestoKrete® Hi-Build Filler Compound 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.

LEGAL NOTICE

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