SAUEREISEN

EPOXY SETTING BED NO. 26

Sauereisen Epoxy Setting Bed No. 26 is used as a bed joint for chemical-resistant masonry units and quarry tile in dairies, breweries, bottling plants, wineries, bakeries, distilleries, food processing plants, commercial kitchens, cafeterias and food handling centers. No. 26 is used in combination with Sauereisen Furan Resin Mortar/Grout for vertical joints on various size tile or brick.

Floors utilizing the Sauereisen Epoxy Setting Bed/Furan Mortar vertical joint system are completely resistant to food acids, fats, oils, alkalies, cleaning solutions, bacteria growth, heat and impact from imposed loads. This system provides an attractive floor that satisfies the strictest sanitary/USDA requirements.

Sauereisen Epoxy Setting Bed No. 26 is supplied in three parts - Powder, Liquid and Hardener - which must be mixed together in proper proportions.

For applications below 50°F, No. 26 Low Temperature is available.

CHARACTERISTICS

- Resists food acids, alkalies, water and solvents.
- Withstands continuous temperatures to 150°F (65°C).
- Complies to USDA standards for use in federally inspected poultry and meat plants.
- Excellent adhesion to concrete, tile and brick.
- Initial set in 5 hours...minimal construction downtime.
- Can be used for vertical applications.

AREA PREPARATION

Temperature of Working Area

Maintain an optimum temperature between 60°F to 85°F on air, substrate, masonry units, No. 26 Powder, Liquid and Hardener components during mixing, application and cure. The No. 26 components, masonry units and substrate should be maintained at 65°F to 80°F for 24 hours prior to beginning work.

At application temperatures below 60°F, handling properties are affected and the material becomes stiff and difficult to work. No. 26 can be applied to surfaces with temperatures as low as 50°F; however, curing is retarded. For those applications below 50°F, No. 26 Low Temperature is available. Consult Sauereisen for specific recommendations. At temperatures above 85°F, the working time decreases. Typical properties of the cured material are not affected.

Surface Preparation

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

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

New Concrete - All structures must have the necessary strength to withstand imposed loads during normal use and operation. Surface should be floated free of ridges or depressions and all voids filled with Sauereisen Underlayment No. F-120 or No. 209 Filler Compound. The choice of underlayment will depend on the severity of the voids to be filled. Surfaces should be sloped a minimum of 1/8 inch per foot and a maximum 1/4 inch per foot for drainage. Abrasive blast or high-pressure water blast concrete to remove laitance and obtain uniform surface texture exposing fine aggregate resembling coarse sandpaper. Acid etching may be used as an alternative method of surface preparation.

Old Concrete - Concrete must be dry and firm and possess the necessary strength to withstand imposed loads during normal use and operation. Ideal surface preparation requires mechanical methods to remove laitance, old paints and previously applied protective coatings.

Abrasive blasting and high-pressure water blasting are preferred methods of mechanical surface preparation. Acid etching is only recommended for areas where no alternative means of preparation are viable.

All structural cracks should be repaired. All slopes must be reestablished with Sauereisen Underlayment No. F-120.

All prepared surfaces must be allowed to dry prior to setting bed application. Regardless of preparation method used, all surfaces must be vacuumed to remove any loose deposits or contamination.

APPLICATION

Mixing

No. 26 is packaged in pre-measured units of Powder, Liquid, and Hardener components. Mixing should be done mechanically with a slow-speed mortar mixer or

PHYSICAL PROPERTIES

Color	Red
Compressive strength (ASTM C-579)	4,865 psi (342 kg/cm^2)
Density (ASTM C-905)	119.6 pcf (1.92 gm/cm^3)
Modulus of elasticity (ASTM C-580)	8.8 x 10^4 psi (4.8 x 10^3 kg/cm^2)
Flexural strength (ASTM C-580)	1,787 psi (125.6 kg/cm^2)
Shrinkage (ASTM C-531)	0.16%
Tensile strength (ASTM C-307)	1,033 psi (726.3 kg/cm^2)
Water absorption (ASTM C-413)	< 0.1%

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. Data should not be used for specification purposes.

"Jiffy" mixer blade chucked into a drill motor depending upon unit size. The mixing equipment must be clean and free of Portland cement or other contaminants.

Remix both Liquid and Hardener prior to combining components. Empty contents of the Liquid into a clean, dry mixing container. Empty contents of Hardener into Liquid and mix until thoroughly blended, at least one minute.

Small unit - Add Powder component gradually while mixing to a uniform consistency.

Medium and Large units - Empty the liquids into a clean dry mortar mixer and gradually add Powder component while mixing to a uniform consistency.

Mix only complete batches. Material which has begun to set must be discarded. Do not try to retemper the material. Do not add solvent, additive or adulterant to any component or mixed material.

Remove the entire batch from the mixer when mixing is completed to prevent build-up in the equipment. While pouring one batch, another should be mixed in order to eliminate delays and to permit continuos operation.

Installation
Place freshly mixed No. 26 on the properly prepared concrete surface and spread with a notched trowel to a minimum thickness of 1/8 inch. Immediately set the waxed tile or brick in the bed leaving open joints of approximately 1/4 inch between the pieces. If tile or brick with deep-grooved bottoms are used, the grooves must be troweled full of No. 26 before bedding.

COVERAGE

Small unit:
49 ft^2 at 1/8 inch thick

Medium unit:
198 ft^2 at 1/8 inch thick

Large unit:
643 ft^2 at 1/8 inch thick

SETTING/CURING

Sauereisen Epoxy Setting Bed No. 26 cures by chemical reaction between the components. At 72°F, working time is approximately 35 minutes and initial set time is five hours. Keep No. 26 free from all traffic, liquids and contamination until all open joints are grouted with Sauereisen Furan Resin Mortar/Grout.

EXPANSION/CONTROL JOINTS

Joints are to be provided on 20 foot centerlines around all fixed objects, peripheries of rooms and all points of movement in the base slab. Consult Sauereisen for product recommendations.

PACKAGING

Small unit: 62 lbs.
Part A Hardener: (2) 1-quart cans
Part B Liquid: (2) 1-gal. cans
Part C Powder: (1) 48 lb.paper bag

Medium unit: 247 lbs.
Part A Hardener: 2-1/2 gal. pail
Part B LIquid: 5-gal. plastic pail
Part C Powder: (4) 48-lb. paper bags

Large unit: 802 lbs.
Part A Hardener: 5-gal. plastic pail
Part B Liquid: (3) 5-gal. pails
Part C Powder: (13) 48 lb. paper bags

For No. 26LT units, Powder and Liquid components remain the same as Epoxy Setting Bed No. 26; the Hardener will contain approximately 37.5% more content.

CLEAN-UP

All equipment should be cleaned with acetone or MEK before No. 26 cures. If removal is required after cure, consult Sauereisen for recommendations.

SHELF LIFE

Sauereisen Epoxy Setting Bed No. 26 Hardener, Liquid and Powder have 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 Sauereisen 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.**

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