

SAUEREISEN

INSTAPLUG NO. F - 180

Sauereisen InstaPlug No. F-180 is a rapid setting, hydraulic water plug for sealing active water leaks, filling small voids and special anchoring applications.

Typical industry applications are: eliminating water leakage in below grade concrete and masonry structures, man-hole rehabilitation, and patches in new precast concrete sections and mortar joints.

InstaPlug No. F-180 is also used for sealing active water leaks prior to application of any Sauereisen waterproofing, structural repair, or corrosion-resistant materials.

CHARACTERISTICS

- Extremely rapid set.
- Stops leaks immediately.
- Bonds to damp surfaces.
- No odor - safe to use in confined spaces.
- Mixes with water.

AREA PREPARATION

Temperature of Working Area

Maintain a temperature of 40°-85°F on air, substrate, Powder, and Water components during mixing, application, and cure. The components should be maintained at 40°F to 85°F for 48 hours prior to beginning work.

Surface Preparation

Concrete or masonry must be firm and structurally sound as specified by the architect/engineer. Surfaces should be made free of oil, grease, and other contaminants that may inhibit bond. This should be achieved by physical removal of contaminated substrate. Common methods are chipping or scarification.

If surface does not have desired conditions, repeat surface preparation procedure.

Prior to placing the InstaPlug No. F-180, provide a mechanical key by undercutting an abrupt edge completely around the area to be plugged or patched.

PHYSICAL PROPERTIES

Application time	
Working time at 70°F	15 seconds
Initial set at 70°F	60 to 90 seconds
Final set at 70°F	1 hour
Components	1 part
Bond strength to concrete	Concrete failure
Color	Gray
Compressive strength (ASTM C-109)	4,000 psi (281.2 kg/cm ²)
Density (ASTM C-905)	121 pcf (1.94 gm/cm ³)
Length change (ASTM C-157)	0%
Mixing ratio	3 Powder : 1 Water, by volume

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.

APPLICATION

Mixing

Mix only as much material as can be mixed and applied in 15 seconds. The mixing ratio is three (3) parts Powder to one (1) part potable water by volume. Place potable water in a clean, dry, mixing container. Add the appropriate amount of Powder at one time. Mix with a gloved hand until a uniform putty consistency is achieved.

Common safety precautions dictate the use of rubber gloves and eye protection.

Installation

As the mortar becomes a plastic consistency, immediately force the material firmly into the prepared area. If running water is present, the material must be held in place until the leak stops and initial set has taken place.

To achieve a smooth or level surface, a steel trowel may be used to trim any excess material. This must be done immediately. Additional batches should be mixed in a clean mixing container to prevent residual material from contaminating the mix. Do not add sand or adulterants.

COVERAGE

One pound of material with appropriate water yields 14 cubic inches. The 5 gallon kit yields approximately 0.4 cu.-ft.

SETTING/CURING

Sauereisen InstaPlug No. F-180 (in plastic consistency) has a working time of fifteen seconds. Initial set of the material occurs in 60 to 90 seconds. Final set is in one (1) hour.

PACKAGING

No. F-180: 50 pound pail.

CLEAN-UP

All equipment must be cleaned with water immediately after use. A stiff brush may be required to remove set material.

SHELF LIFE

Sauereisen InstaPlug No. F-180 has a shelf life of six (6) months 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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