



Leak Stopper Hydraulic Cement

Fast-setting hydraulic cement to stop flow of water through breaks in concrete or masonry

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Product Description

SAKRETE® Leak Stopper Hydraulic Cement is a mixture of rapid setting cementitious materials and sand. Designed to stop the flow of water through breaks in concrete or masonry walls and floors. Can be used to stop active underwater leaks.

When/Where to Use

- Basements
- Elevator pits
- Conduits
- Sea walls
- Swimming pools
- Tunnels
- Storm drains
- Foundations
- Docks, piers, and locks

Advantages

- Can be applied underwater
- Interior and exterior use
- Vertical and horizontal repairs
- Pre-blended single component
- Non-metallic
- Paintable when cured
- Stops seepage leaks
- Above and below grade
- Initial set in 1-3 minutes
- Non-staining

Packaging

50 lb. (22.6 kg) pail (BOM 120030)

Typical Yield

One 50 lb. (22.6 kg) pail will yield approximately 0.52 cu. ft. (0.015 m³)

WARNING: INJURIOUS TO EYES!

KEEP OUT OF REACH OF CHILDREN!

Helpful Items:



Technical Data

| Technical Data Tests | |
|---------------------------------|--------------------|
| ASTM C 191 Set Time | |
| Initial Set | 1-3 minutes |
| Final Set | 3-4 minutes |
| ASTM C 109 Compressive Strength | |
| 2 hour | >1,000 psi (7 MPa) |
| 28 days | 3,000 psi (21 MPa) |

Surface Preparation

Area to be plugged must be free of unsound concrete, grease, oil, paint, and any other foreign materials that will inhibit performance. A wire brush is useful in scraping away all loose material. Dampen area to be plugged before applying product. All holes or cracks should be opened to a minimum depth and width of ¼ in. (19 mm) to allow enough material for proper expansion and bond. If widening is needed, make the hole/crack bigger at the back than on the front to allow Leak Stopper to expand and plug the opening. Use only when the product, air and surface temperature are between 40°F (4°C) and 80°F (27°C) within 24 hours of application. For best results all materials should be stored between 40°F (4°C) and 80°F (27°C) 24 hours prior to installation. Protect from freezing for 48 hours.

Refer to:

- ICRI 310.1R-2008 Guideline for Surface Preparation for the Repair of Deteriorated Concrete Resulting from Reinforcing steel corrosion
- ACI 201.1R-08 Guide for Conducting a Visual Inspection of Concrete in Service
- ACI 224.1R-07 Causes, Evaluation, and Repair of Cracks in Concrete Structures

Mixing

Use clean potable water, clean mixing container and tools. Do not mix more



than can be put into place in 1-2 minutes. Use 3.5 oz. (0.1 L) of clean potable water per 1 lb. (454 g) of material (4 parts powder to 1 part water). Mix to obtain a thick dough-like consistency, not to exceed 30 seconds. Addition of cold water at high temperatures or warm water at low temperatures will aid in adjusting the set time. Keep material cool and out of direct sunlight prior to application.

Approximate Water Requirements

| | |
|------------------|------------------|
| 50 lb. (22.6 kg) | 5.45 qt. (5.0 L) |
|------------------|------------------|

Application

Read all directions before starting work. **WEAR GLOVES AT ALL TIMES. FAILURE TO DO SO CAN RESULT IN SEVERE BURNS.**

Repairs: Apply Leak Stopper when air and substrate temperature is between 40°F (4°C) and 90°F (32°C). Hold Leak Stopper in gloved hand or trowel until it becomes slightly warm and then apply directly into opening and maintain constant pressure until final set (3-4 minutes). Smooth or mold material immediately after final set. When repairing **INACTIVE LEAKS** (no running water present), thoroughly soak the area to be patched. Apply Leak Stopper with a trowel smoothing the patch even with surrounding surface. After 3-4 minutes the Leak Stopper will be firm enough to shave using a steel towel. Shave small amounts of Leak Stopper at a time until Leak Stopper is flush with the surface. Can be painted with most paints in 24 hours.

Underwater Repairs: Place mixed Leak



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Stopper into a plastic bag and get it as close to the hole as possible. Turn the bag inside out and force the Leak Stopper into the hole. When repairing ACTIVE LEAKS (water is present) force Leak Stopper into the opening holding it in place for several minutes or until it stiffens. Use more Leak Stopper than fits in the crack/hole so it will extend slightly outside the flat surface. The water should have stopped running. After 3-4 minutes the Leak Stopper will be firm enough to shave using a steel towel. Shave small amounts of Leak Stopper at a time until Leak Stopper is flush with the surface.

Curing

No special curing required.

Clean up

Use warm, soapy water for cleaning hands and tools while product is wet. SAKRETE Concrete Mortar Dissolver can be used if dried or hardened on tools and equipment.

Notes and Limitations

- Wear gloves at all times, failure to do so can result in severe burns
- Rubber gloves and goggles are recommended safety equipment
- Do not add any materials other than clean potable water
- Do not use for non-treated aluminum applications
- Do not use as a paint or trowel applied waterproofing
- Do not use as a slurry coat
- Protect from freezing for 24 hours
- Use only clean mixing container and tools
- Store in tightly closed container off the floor in a dry place

Proper application and installation of all SAKRETE products are the responsibility of the end user.

Warning

WARNING! CAUSES IRRITATION - Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Exposure may result in irritation of the

skin, eyes or nasal passages from alkali in Portland cement. When wet, contact with the skin or eyes may result in irritation or burns. FIRST AID: In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get prompt medical attention; for skin, wash thoroughly with plenty of soap and water. If irritation persists, get medical attention. WARNING! HARMFUL IF INHALED - Avoid breathing dust. Keep container closed. Use with adequate ventilation. Excessive exposure by inhalation over an extended period of time may result in the development of pulmonary diseases including pneumoconiosis and silicosis. Crystalline Silica has been classified by IARC and NTP as a carcinogen. WARNING: Wear protective clothing and equipment. KEEP OUT OF REACH OF CHILDREN. READ and UNDERSTAND the Safety Data Sheet (SDS) before using this product.



Limited Product Warranty

The manufacturer warrants that this product shall be of merchantable quality when used or applied in accordance with the manufacturer's instructions. This product is not warranted as suitable for any purpose other than the general purpose for which it is intended. This warranty runs for one (1) year from the dates the product is purchased. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE DURATION OF THIS WARRANTY. Liability under this warranty is limited to replacement of defective products or, at the manufacturer's option, refund of the purchase price. CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY.

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| Shelf Life | One year in original, unopened container. |
| Storage Conditions | Store dry in tightly sealed container. |
| Color | Gray. |

