



# HYDRAULIC CEMENT LEAK STOPPER

◆ The Pro's Choice Since 1936



Sakrete Leak Stopper 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.

## Features:

- Can be applied underwater
- Interior and exterior
- Horizontal and vertical repairs
- Single component
- Non-metallic
- Paintable when dry
- Stops seepage leaks
- Above and below grade
- Initial set in 1 - 3 minutes
- Non-staining

## Use For:

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

## Yield/Water/Coverage:

Bag Size	Yield	Water
10 lb (4.5 kg)	0.087 ft <sup>3</sup> (.002 m <sup>3</sup> )	1.09 qt (1.0 L)
20 lb (9 kg)	0.17 ft <sup>3</sup> (.004 m <sup>3</sup> )	2.19 qt (2.0 L)
50 lb (22.6 kg)	0.44 ft <sup>3</sup> (.01 m <sup>3</sup> )	5.45 qt (5.0 L)

## Technical Data:

Set time ASTM C 191	
Initial set	1 - 3 minutes
Final Set	3 - 4 minutes
Compressive Strength ASTM C 109	
2 hour	>1,000 psi (7 MPa)
28 days	3,000 psi (21 MPa)

## Color:

Gray

## Preparation/Application:

For best results all materials should be stored at 40°F (4°C) to 80°F (27°C) 24 hours prior to installation.

1. 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.
2. Dampen area to be plugged before applying product.
3. All holes or cracks should be opened to a minimum depth and width of 3/4 in (19 mm) to allow enough material for proper expansion and bond.
4. Square cut or undercut to avoid leaving a "V" shaped opening.

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

## Repairs:

1. Apply Leak Stopper when air and substrate temperature is between 40°F (4°C) and 90°F (32°C). For applications outside this range of temperatures, contact Sakrete Technical Services.
2. 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).
3. Smooth or mold material immediately after final set.
4. 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.

## Underwater Repairs:

1. Place mixed Leak Stopper into a plastic bag and get it as close to the hole as possible.
2. Turn the bag inside out and force the Leak Stopper into the hole.
3. When repairing **ACTIVE LEAKS** (water is present) force Leak Stopper into the opening holding it in place for several minutes or until it stiffens.
4. 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 to 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 7 days.

## Mixing:

1. Use clean potable water, clean mixing container and tools.
2. 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 (3 parts powder to 1 part water).
3. Mix to obtain a thick dough-like consistency, not to exceed 30 seconds.



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4. Addition of cold water at high temperatures or warm water at low temperatures will aid in adjusting the set time.
5. Keep material cool and out of direct sunlight prior to application.

## **Curing:**

No special curing required.

## **Precautions:**

- 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

*NOTE: Proper application and installation of all Sakrete products are the responsibility of the end user.*

## **Safety:**

**WEAR GLOVES AT ALL TIMES. FAILURE TO DO SO CAN RESULT IN SEVERE BURNS.**

READ and UNDERSTAND the Safety Data Sheet (SDS) before using this product. WARNING: Wear protective clothing and equipment. For emergency information, call CHEMTREC at 800-424-9300 or 703-527-3887 (outside USA). KEEP OUT OF REACH OF CHILDREN.

## **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 or defective products or, at the manufacturer's option, refund of the purchase price. CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY.

