



# SHEP DAMM-IT

## NON-SHRINK, FAST SETTING, HYDRAULIC CEMENT PRODUCT

### DESCRIPTION

Shep Damm-It is a quick setting hydraulic cement compound used to instantly stop running water or seepage leaks in masonry or concrete. Shep Damm-It is ready to use and requires only the addition of water before plugging and sealing cracks.

### PRIMARY APPLICATIONS

Used above or below grade, interior or exterior to stop seepage and flowing water on:

- Concrete and masonry walls and floors
- Dams, swimming pools, cisterns, reservoirs, water tanks and manhole repairs

### FEATURES & BENEFITS

- Non-shrinking, non-metallic and non-corrosive
- Initial set in 1 to 3 minutes
- Stops running water or seepage leaks
- High strength
- Controlled expansion
- Can be applied underwater

### DIRECTIONS FOR USE

**Surface Preparation:** Concrete surfaces must be structurally sound, free of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence, oil and all other contaminants. Mechanically abrade the surface to a minimum depth of 1/8" (3 mm) to achieve a surface profile equal to CSP >3 in accordance with ICRI Guideline 03732. Properly clean profiled area.

**Priming:** Clean and prime exposed steel with anti-corrosion coating.

**Mixing:** Pour potable water into a clean mixing container and gradually add Shep Damm-It. Use approximately 1 quart of water to 8 to 9 pounds of material (3.8 to 4.3 kg/L). Mix rapidly with a trowel to the consistency of stiff putty with no slump. Mix no more than 30 seconds. Shep Damm-It will flash set in 1 to 3 minutes. Properly mixed, Shep Damm-It can be hand formed into a ball.

**Application:** Dampen areas for repair with potable water immediately before application of Shep Damm-It.

**General Patching:** Force Shep Damm-It into the crack or hole by hand or with a trowel. Rapidly fill to the full depth of the opening. **Patching Active Leaks:** Start at the top of the crack or hole, and force the Shep Damm-It to the full depth of the prepared area. Apply direct pressure to the new patch until the Shep Damm-It has taken a firm set. Mix fresh material, and continue patching toward the area of the greatest pressure. When extreme water pressure is encountered, hold the mixed Shep Damm-It in the hand until it becomes warm. Then rapidly force the patch into the hole, and apply continuous pressure until the Shep Damm-It has set, and the water has stopped running. Do not use a twisting motion. **Floor-Wall**

**Patching:** Follow above methods for the specific conditions encountered. Use a rounded tool to force the Shep Damm-It into the joint, and construct a 45 degree transitional cove between the floor and wall at the same time. **Expansion**

**Contraction Cracks:** Use Shep Damm-It to stop running water leaks, but do not fill cracks completely to the surface. Allow approximately 1/2" (1.3 cm) depth, and fill with a flexible joint sealant.

**Clean-Up:** Clean tools and mixing equipment with water immediately after use.

### TECHNICAL DATA

Material Properties at 75°F (24°C)

Test Method

Compressive Strength ASTM C 109 psi (MPa)

1 hour .....	1,835 (12.6)
1 day .....	3,125 (21.5)
7 days .....	7,808 (53.8)
28 days .....	9,543 (65.8)

Flexural Strength ASTM C 78

1 day .....	410 (2.8)
3 days .....	855 (5.9)
28 days .....	1245 (8.5)

*Continued on reverse side*

SHEP DAMM-IT

PRODUCT INFORMATION ■ TECHNICAL DATA SHEET

**Tensile Strength ASTM C 190**

1 day .....	510 (3.5)
3 days .....	745 (3.5)
28 days .....	855 (5.1)

**Expansion/Shrinkage ASTM C 157**

28 Day Test Chg.	Length
Moist Room .....	100% RH.....0.081%
Dry Room .....	50% RH.....-0.136%

**Appearance:** A gray hydraulic cement compound.

Values presented are typical and not necessarily referenced to create specifications.

**PACKAGING**

Shep Damm-It is packaged in 4/10 lb (4.5 kg) tubs/case; 20 lb (9.2 kg) and 50 lb (22.7 kg) pails.

**ESTIMATED COVERAGE/YIELD**

1 lb (0.45 kg) of Shep Damm-It yields approximately 17 in<sup>3</sup> (171 cm<sup>3</sup>) and will repair approximately 30 in. of 3/4 x 3/4 inch crack. (Approx. 1 kg for 155 cm of 2 cm x 2 cm crack.)

**SHELF LIFE**

One year in original, unopened package.

**LIMITATIONS**

- Do not retemper Shep Damm-It. Do not apply Shep Damm-It to frozen or frost filled surfaces.
- Do not twist Shep Damm-It into the hole while plugging running water leaks.
- In warm weather, mix Shep Damm-It with ice water. In cold weather, mix Shep Damm-It with warm water and use a torch to preheat the area to be patched.
- Do not prewet in cold weather.
- Do not apply in dynamic (moving) cracks or to fill expansion joints.
- In all cases, consult the MSDS before use.

**LIMITED WARRANTY:** NOTICE - READ CAREFULLY. CONDITIONS OF SALE. Manufacturer offers this product for sale subject to, and Buyer and all users are deemed to have accepted, the following conditions of sale and limited warranty which may be varied by written agreement of a duly authorized corporate officer of Manufacturer. No other representative of or for Manufacturer is authorized to grant any warranty or to waive limitation of liability set forth below.

**Warranty Limitation:** Manufacturer warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, Manufacturer will replace the defective product with new product without charge to the purchaser. Manufacturer makes NO OTHER WARRANTY, either expressed or implied, concerning this product. There is NO WARRANTY OF MERCHANTABILITY. In no case shall Manufacturer be liable for special, indirect or consequential damages resulting from the use or handling of the product, and no claim of any kind shall be greater in amount than the purchase price of the product in respect of which damages are claimed.

**Inherent Risk:** MANUFACTURER MAKES NO WARRANTY TO THE PERFORMANCE OF THE PRODUCT AFTER IT IS APPLIED BY THE PURCHASER, AND PURCHASER ASSUMES ALL RISKS ASSOCIATED WITH THE USE OR APPLICATION OF THE PRODUCT.