

# Mainstay® ML-10

## Hydraulic Cement Mortar



### FEATURES/BENEFITS

|                        |                        |
|------------------------|------------------------|
| FAST SET               | EASY TO USE            |
| VERY LOW SHRINKAGE     | MAY BE USED UNDERWATER |
| EASY TO USE AND FINISH | WATERPROOFS/DAMPPROOFS |

### PRODUCT DESCRIPTION

**M**AINSTAY® ML-10 is a fast setting blend of special cements and fillers that is used to stop leaks through cracks and holes in underground concrete and brick structures. MAINSTAY ML-10 produces excellent adhesion to properly prepared existing concrete or brick surfaces and is suitable for permanent water immersion service. MAINSTAY ML-10 can be used to repair leaks in floors, vertical and overhead surfaces of deteriorated concrete structures such as sewers, pits, sumps, trenches, tunnels, piers or any concrete structure that is experiencing flowing, seeping or weeping leaks.

### PRODUCT DATA

#### COMPOSITION:

A proprietary mixture of special hydraulic cements and fillers.

#### COLOR:

Dark Grey.

#### YIELD:

.52 ft<sup>3</sup> per 50# pail when mixed correctly.

#### PACKAGING:

Normally stocked in 50 pound pails.

#### SURFACE PREPARATION:

Prepare surfaces to be repaired by water blasting, abrasive blast, hand or power tool to remove all unsound concrete, contaminants, dirt, debris and/or deteriorated reinforcing steel. Refer to the International Concrete Repair Institute technical guideline titled "Surface Preparation Guidelines For The Repair Of Deteriorated Concrete Resulting From Reinforcing Steel Oxidation" and/or contact your Mainstay Representative for information on removal techniques that are best for your application. Surfaces should have a minimum profile of 1/16" (preferably with aggregate exposed) and should be inspected for

soundness prior to application of MAINSTAY ML-10. If not already wet, saturate all surfaces thoroughly with clean fresh water prior to application of MAINSTAY ML-10.

#### MIXING:

Due to the fast setting characteristics of this product, it must be mixed in small quantities of one to two pounds at a time. MAINSTAY ML-10 should be mixed with just enough fresh clean water to form a viscous lump with the consistency of modeling clay.

#### APPLICATION:

MAINSTAY ML-10 can be applied by hand in small quantities or with a trowel. Press the mixed material firmly into place starting at the top of the leak and working your way down. Numerous small applications are typically required to completely seal large leaks. Consult your Mainstay representative for information regarding equipment and techniques that are best suited for your job.

#### WORKING TIME:

Approximately 45 to 90 seconds at 77° F. The working time will be extended somewhat at lower temperatures and shortened at higher temperatures.

#### FINISHING:

MAINSTAY ML-10 can be finished using a steel trowel, wood float, sponge float, broom or brush, depending on the surface texture desired. If MAINSTAY ML-10 is to be covered with MAINSTAY ML-72, it is recommended that the surface be given a very rough finish using a broom or stiff bristled brush. Be sure to remove any loose dust or particles of hardened material which may not be securely bonded prior to topcoating this product with MAINSTAY ML-72. MAINSTAY ML-10 should not be directly topcoated with any Madewell or Mainstay polymer coating.

#### CURING:

Mainstay ML-10 should be kept moist with fresh clean water for the first 72 hours after placement.

#### CLEAN UP:

Clean up equipment and tools with clean tap water.

**Madewell® ML-10 Hydraulic Cement Mortar****STORAGE:**

Store MAINSTAY ML-10 in a cool dry place.

**SHELF LIFE:**

1 year, subject to reinspection thereafter.

**SAFETY:**

MAINSTAY ML-10 contains portland cement and chemicals which *MAY CAUSE EYE OR SKIN SENSITIZATION*. Adequate health and safety precautions should be observed during all storage, han-

dling, use and drying periods. For best results and safest usage, user is specifically directed to consult the current "Material Safety Data Sheet" for this product. When using this product in a confined space or closed area, consult the current OSHA or ANSI bulletins on safety requirements. Do not take internally. If swallowed, call a physician immediately.

|                                    |         |          |
|------------------------------------|---------|----------|
| Compressive Strength<br>ASTM C-109 | 1 day   | 3500 psi |
|                                    | 7 days  | 4900 psi |
|                                    | 28 days | 5500 psi |
| Tensile Strength<br>ASTM C-190     | 7 days  | 290 psi  |
|                                    | 28 days | 575 psi  |
| Shrinkage<br>ASTM C-157            | 28 days | 0.04%    |

**WARRANTY**

All technical data, recommendations and services are rendered by the Seller gratis. They are based on technical data which the Seller believes to be reliable and are intended for use by persons having skill and knowledge, at their discretion and risk. Seller assumes no responsibility for results obtained or damages incurred from their use by the Buyer whether as recommended herein or otherwise. Such recommendations, technical advice or services are not to be taken as a license to operate or intended to suggest infringement of any existing patent. MADEWELL PRODUCTS CORPORATION MAKES NO GUARANTEE OR WARRANTIES EXCEPT AS OTHERWISE PROVIDED IN WRITING, AND DISCLAIMS ANY AND ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.