



DATA SHEET 3930-389

MEADOW-PLUG™

One Component, Super Fast Setting, Hydraulic Repair Mortar

DESCRIPTION

MEADOW-PLUG is a specially blended, extremely fast setting, hydraulic cement product designed to instantly stop running water or fluid seepage in concrete or masonry structures. This single-component, high strength repair mortar permanently plugs non-moving cracks, joints, and voids.

USES

Once mixed with water to a putty-like consistency, MEADOW-PLUG may be hand formed to quickly stop active fluid leaks in basements, tunnels, swimming pools, sewers, non-potable water tanks, voids around pipes, and wall tie holes. It seals construction joints between floors and walls. MEADOW-PLUG is versatile enough for either vertical or horizontal applications; below-, above-, or on-grade. Its controlled expansion formulation permanently holds the repair in place on exterior, interior, and even underwater installations.

FEATURES/BENEFITS

- Fast initial set/ Stops liquid flow immediately.
- Expands as it sets/ Forms a permanent water stop.
- Mixes with water only/ Easy to use.
- Horizontal, vertical, interior, exterior/Highly versatile.
- Above grade, below grade, underwater/Multi-purpose.
- Non-metallic, non-corrosive/Will not stain
- May be top-coated within one hour/Saves time.
- Good sulfate resistance/Suitable for wastewater and sewer applications.

PACKAGING

22.7 Kg Pails (50 Lb.)
3.6 Kg Tubs (8 Lb.)

COVERAGE

Yield: 0.012 m³ (0.45 ft.³)

Coverage

	Pail	Tub
19 mm x 19 mm (3/4" x 3/4")	35 m (115 Linear Feet)	5.4 m (18 Linear Feet)
12.7 mm x 12.7 mm (1/2" x 1/2")	78 m (259 Linear Feet)	12.5 m (41 Linear Feet)
6.3 mm x 6.3 mm (1/4" x 1/4")	315 m (1036 Linear Feet)	50 m (165 Linear Feet)

SHELF LIFE

One year from date of manufacture when stored indoors on pallets in a dry, cool area. Do not store product outside.

TECHNICAL DATA

Compressive Strength (per ASTM C 109) at:

15 minutes	5.86 MPa (850 psi)
1 hour	8.44 MPa (1225 psi)
1 day	18.27 MPa (2650 psi)
28 days	41.38 MPa (6000 psi)

Set Times (per ASTM C191)

Initial:	2 minutes
Final:	3 minutes

All technical data is typical information, but may vary due to testing methods, conditions and operators.

APPLICATION

Surface Preparation ... Cut or notch out the crack, joint, or void to a minimum dimension of 19 mm x 19 mm (3/4" x 3/4"). To ensure proper mechanical lock, the bottom of the newly notched opening should be wider than the top. (Avoid "V" type notches or cuts.)

Continued over ...

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Mixing and Placement ... Mix MEADOW-PLUG with enough potable water to form a thick putty consistency (approximately a 4:1 ratio by volume). Do not mix more MEADOW-PLUG than can be placed in one minute. Force MEADOW-PLUG directly into prepared crack and hold in place, maintaining pressure until material hardens. Avoid overworking the material. Just prior to final set, MEADOW-PLUG may be "shaved" to match the profile of the area surrounding the patch. If repairing a dry crack, wet cure immediately for at least 15 minutes or until set is fully achieved. **Do not use on any moving joints.**

PRECAUTIONS

MEADOW-PLUG is recommended for concrete, masonry, and block repairs only. Do not apply below 4° C (40° F) or above 32° C (90° F) or when rain is imminent. Protect from freezing for a minimum of 24 hours. Do not bridge moving cracks. Extend existing control and expansion joints through MEADOW-PLUG. Do not add any admixtures. Exceeding liquid requirements shall result in reduced physical properties. Realize that set time will decrease as the product, air, substrate, and mixing liquid temperature increases and will increase as the temperature decreases. Protect from conditions that may cause early water loss: windy conditions, low humidity, high temperature, direct sunlight. Early water loss is greater in thin applications. Failure to follow industry standard practices may result in decreased material performance

MASTERFORMAT NUMBER AND TITLE

03 62 13 - Non-Metallic Non-Shrink Grouting

LEED INFORMATION

May help contribute to LEED credits:

- MR Credit 2: Construction Waste Management
- MR Credit 5: Regional Materials

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