

MEADOW-PATCH® T1

One-Component, Polymer-Modified, Thin Patch Repair Mortar

DESCRIPTION

MEADOW-PATCH T1 is a one-component, polymer-modified, cementitious repair mortar designed for horizontal, vertical, and overhead applications. This all-purpose mortar is designed for maintenance patching and minor repairs 1" to featheredge.

USES

MEADOW-PATCH T1 is versatile, easy to mix and apply, and produces repaired surfaces suitable for rubber-wheeled traffic. For overhead or vertical use, MEADOW-PATCH T1 is an ideal choice for smoothing rough surfaces, repairing honeycombs, and dressing up bug holes. When mixed, its creamy consistency provides an excellent repair mortar for concrete walls, horizontal slabs, precast concrete elements, concrete stairs, balconies, etc. Because of its excellent bond and freeze-thaw resistance, MEADOW-PATCH T1 may be used for interior and/or exterior applications: below-, above- or on-grade.

FEATURES/BENEFITS

- Polymer-modified - Enhanced bond.
- Low permeability - Protects embedded reinforcing steel.
- Enhanced flexural and tensile properties.
- Breathable - Will not act as a vapor barrier.
- Excellent freeze-thaw characteristics - Long-term stability.
- Creamy consistency - Easily finished.

TECHNICAL DATA*

Set times (Per ASTM C 191)

Initial	2 hours
Final	3 hours

Compressive strength (Per ASTM C 109)

@ 1 day	3000 psi (20.7 MPa)
@ 28 days	6500 psi (44.8 MPa)

*All technical data is typical information and will vary due to testing methods, conditions, procedures, batching, and raw material variances.

COLOR

Standard gray and light gray (grayish white). Minor color variations from different batches, water addition, application conditions, and curing procedures are normal.

PACKAGING

50 lb. (22.7 kg) poly-lined bag

YIELD AND COVERAGE

Yield per 50 lb. (22.7 kg) bag is 0.50 ft.³ (0.014 m³). Coverage per 50 lb. (22.7 kg) bag is 55 ft.² @ 1/8" (5 m² @ 3 mm).

STORAGE AND SHELF LIFE

Store on pallets in a cool, dry location. Do not store products outdoors. Shelf life of properly stored product is one year from date of manufacture in unopened, original packaging.

FOR BEST PERFORMANCE:

- MEADOW-PATCH T1 is recommended for concrete patch repairs only.
- Not intended to be used as a self-leveling underlayment, overlay, or topping.
- Do not apply below 40° F (4° C) or above 90° F (32° C) or when rain is imminent.
- Do not bridge moving cracks. Extend existing control and expansion joints through MEADOW-PATCH T1.
- For large areas with no control, expansion or construction joints, refer to ACI guidelines.
- Do not exceed a length-to-width ratio of 2 to 1 for the repair area.
- 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 be increased as the temperature decreases.
- Featheredging may result in reduced durability and performance.
- Maximum application thickness should not exceed 1" (25 mm).
- Protect from conditions that may cause early water loss: high winds, low humidity, high temperature, direct sunlight. Early water loss is amplified in thin and/or small area applications.
- The use of extender aggregate will alter physical properties.
- Failure to follow ACI concreting practices and industry standard practices will result in decreased material performance.
- Proper application is the responsibility of the user. Field visits by W. R. MEADOWS personnel are for the purpose of making technical recommendations only, and are not to supervise or provide quality control on the jobsite.

CONTINUED ON REVERSE SIDE...

Surface Preparation ... Prepare concrete substrate in accordance with ICRI Technical Guideline #310.2-1997: Specifying Concrete Surface Preparation for Sealers, Coatings, and Polymer Overlays. Mechanically roughen or high pressure water-jet existing concrete substrate to a minimum concrete surface profile of CSP-4 or higher, depending on substrate condition. Remove all unsound concrete and provide a profiled, porous surface. Substrate must be structurally sound, dust-free, and free of grease, oil, dirt, curing compounds, release agents, or any other surface or penetrated contaminants that will adversely affect bond. Sanding, cup grinding, or wire-abrading are not approved surface preparation methods. Substrate must be SSD and free of standing water.

Prime SSD substrate with slurry coat consisting of two parts powder to one part water or ACRY-LOK™ (for enhanced bonding). Do not allow slurry coat to become dry or tack-free. If slurry coat becomes dry or tack-free prior to application of the bulk mix, reapply slurry coat after the already primed substrate has been properly saturated to SSD condition. For increased bond, prime substrate with REZI-WELD™ 1000 medium-viscosity structural bonding agent and follow surface prep and application procedures as outlined on that data sheet.

Mixing ... Using a mortar-type mixer, add three quarts (2.8 L) of clean water per 50 lb. (22.7 kg) bag of MEADOW-PATCH T1. Slowly add powder and mix to desired consistency, using up to 0.5 (0.47 L) additional quarts of clean water only as needed. The properly mixed product should have the consistency of a light creamy clay-like material that is easily worked, but should not be free-flowing. Mix for three minutes, or until lump-free consistency is obtained. Do not over-mix. For small repairs, mix in a clean vessel using a variable-speed drill with a paddle mixer at 400-600 rpm. Mix only complete bags. Do not mix more material than can be placed and finished in 30 minutes at 77° F (25° C).

Placement ... Apply MEADOW-PATCH T1 into the repair zone substrate by compacting the material well against the properly prepared substrate. Finish surface with steel or wood trowel or sponge float. Never re-temper. Follow ACI 305-R89 "Standard on Hot Weather Concreting" or ACI 306-R88 "Standard on Cold Weather Concreting" when applicable.

Curing ... Cure MEADOW-PATCH T1 immediately following application using a suitable water-based curing compound from W. R. MEADOWS, or in accordance with ACI 308. W. R. MEADOWS recommends the 2200-WHITE or 1100-CLEAR series for curing. (Do not use solvent-based curing compounds.) When conditions exist for early water loss, such as, but not limited to, high temperature [90° F (32° C)], high winds, direct sun, low humidity, or thin and/or small area patches, we recommend wet curing for 24 hours, immediately followed by an application of 2200-WHITE or 1100-CLEAR series curing compound.

When conditions exist for rapid early water loss, the use of EVAPRE™, an evaporation retarder from W. R. MEADOWS, is also recommended.

SAFETY AND TOXICITY

Contains Portland cement and crystalline silica (sand) which are suspected carcinogens. Avoid direct contact. Skin and eye irritant. Dust may cause respiratory tract irritation. Follow OSHA safety regulations when handling. Avoid inhalation of dust. Utilize chemical resistant gloves and safety glasses to minimize direct contact. May cause serious delayed lung injury (silicosis).

If contact occurs, wash affected areas with mild soap and water. For eye contact, flush with water for a minimum 15 minutes and contact a physician immediately. Keep product out of reach of children. For industrial use only. Not for consumption. This product contains silicon dioxide, which is classified by the IARC and NTP as probably carcinogenic to humans (IARC Group 2A). The use of NIOSH approved respiratory protection is strongly recommended.

Refer to Material Safety Data Sheet for complete Health and Safety Information.

LEED INFORMATION

May help contribute to LEED credits:

- MR Credit 2: Construction Waste Management
- MR Credit 4: Recycled Content
- MR Credit 5: Regional Materials

For most recent data sheet, further LEED information, and MSDS, visit www.wrmeadows.com.



LIMITED WARRANTY

W. R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. Read complete warranty. Copy furnished upon request.

Disclaimer

The information contained herein is included for illustrative purposes only, and to the best of our knowledge, is accurate and reliable. W. R. MEADOWS, INC. cannot however under any circumstances make any guarantee of results or assume any obligation or liability in connection with the use of this information. As W. R. MEADOWS, INC. has no control over the use to which others may put its product, it is recommended that the products be tested to determine if suitable for specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of products for specific application and assume all responsibilities in connection therewith.