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MEADOW-PATCH® T2

Concrete Resurfacer & Repair Mortar

DESCRIPTION

MEADOW-PATCH T2 is a two-component, polymer-modified, cementitious concrete resurfacer and repair mortar.

USES

MEADOW-PATCH T2 is designed to resurface concrete from 1/16" to 1/2" in depth.

MEADOW-PATCH T2 is also a premium-grade repair mortar capable of patching concrete from featheredge to 2" in depth on horizontal applications. It may also be used for vertical and overhead surface repairs.

MEADOW-PATCH T2 is easy to use, versatile, and produces repaired surfaces suitable for rubber-wheeled traffic.

For overhead or vertical use, MEADOW-PATCH T2 is an ideal choice for smoothing rough surfaces, repairing honeycombs, and dressing up bug holes. When mixed, the product's creamy consistency provides an excellent skim coating for swimming pools, concrete walls, balconies, etc.

Because of its excellent bond strength, breathability, and freeze-thaw resistance, MEADOW-PATCH T2 may be used in interior and/or exterior applications; below-, above- or on-grade.

TECHNICAL DATA*

The following physical properties were determined using the mix ratio of 3.0 quarts (2.8 L) of ACRY-LOK™ per 50 lb. (22.7 kg) at 75° F (23.9° C)

Set Times per ASTM C 191

Initial: 4 hours

Final: 6 hours

Compressive Strength per ASTM C 109

@ 1 day: 2,000 psi (13.8 MPa)

@ 28 days: 5,000 psi (34.5 MPa)

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

COLOR

Light gray in color

PACKAGING

50 lb. (22.7 kg) poly-lined bag
50 lb. (22.7 kg) pail with 1gal. ACRY-LOK kit

YIELD AND COVERAGE

Yield per 50 lb. (22.7 kg) bag is 0.50 ft.³ (0.014m³).

Depth (Inches)	Ft. ² Unit ¹
1/16	100
1/8	50
1/4	25
1/2	12.5

Note¹: Single-Coat Application (two-coat application typically required as a concrete resurfacer). For example, a two-coat system at 1/8" would yield 25 ft.² per bag (50 ft.² /two coats = 25 ft.²).

SHELF LIFE (TYPICAL)

When stored on pallets in a dry, cool area, shelf life is 12 months.

LEED INFORMATION

May help contribute to LEED credits:

- MR Credit 5.1: Regional Materials: 10% Extracted, Processed & Manufactured Regionally
- MR Credit 5.2: Regional Materials: 20% Extracted, Processed & Manufactured Regionally

FEATURES/BENEFITS

- Repairs and resurfaces.
- Color-enhanced for a light gray finish.
- Polymer-modified – Enhanced bond.
- Specifically engineered for high abrasion resistance.
- Suitable for pedestrian, soft rubber tires, and forklifts.
- Will accept various coatings.
- May be dyed, stained, or pigmented.
- May be stenciled.
- May be spray-applied.
- May be form and poured or pumped.
- May be mechanically sanded.
- High impact strength.

- Will aid in waterproofing.
- Breathable – Will not act as a vapor barrier.
- Excellent freeze-thaw characteristics – Long-term exterior stability.

FOR BEST PERFORMANCE:

- MEADOW-PATCH T2 is recommended as a concrete resurfacer and/or topping from 1/16" to 1/2" in depth.
- Not intended to be used as a self-leveling underlayment.
- Do not apply below 45° F (7.2° C) or above 90° F (32.2° C) or when rain is imminent.
- Do not bridge moving cracks. Extend existing control and expansion joints through MEADOW-PATCH T2.
- Apply DECRA-SEAL™ W/B for added protection.
- Do not add any admixtures.
- Avoid steel-wheeled traffic in thin applications. Thin applications subject to high point loading should also be avoided.
- 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.
- Protect from conditions that may cause early water loss: high winds, low humidity, high temperature, and direct sunlight. Early water loss is amplified in thin applications.
- Realize that the use of extender aggregate will alter physical properties.
- Failure to follow industry standard practices, such as ACI or ICRI, 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.

APPLICATION

NOTE: The following information is for MEADOW-PATCH T2 as a concrete resurfacer.

Surface Preparation ... Prepare concrete substrate in accordance with International Concrete Repair Institute (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 (CSP) 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 or wire-abrading are not approved surface preparation methods.

Substrate must be saturated surface dry (SSD) and free of standing water.

Mix Ratios: ACRY-LOK to MEADOW-PATCH T2

Base-coat: 1 gal. (3.78 L) per 50 lb. (22.7 kg) bag.

Topcoat: 1.25 gal. (4.72 L) per 50 lb. (22.7 kg) bag.

Procedures ... Using a mortar-type mixer, pour $\frac{3}{4}$ of the required ACRY-LOK polymer from the stated mix ratios above (depending on application) into a clean mixing container. Slowly add powder and mix to a desired consistency using the remaining liquid polymer as recommended for the application type. Always add standard concrete liquid or powder inorganic pigment prior to fully adding the remaining ACRY-LOK adjustment.

Mix for three minutes or until lump-free consistency is obtained. Do not over-mix. For small repairs, mix in a clean vessel [5 gal (18.9 L)] 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).

CRACK DETAIL

Detail existing cracks, either by injecting or gravity feeding a low viscosity epoxy such as REZI-WELD LV STATE or REZI-WELD 1000 STATE, conforming to ASTM C 881, Type IV, Grade 1 or 2, Class B or C. Active cracks may telegraph through MEADOW-PATCH T2.

JOINTING

Do not apply MEADOW-PATCH T2 over expansion or active joints. Tape or protect existing joint from intrusion of product. The application of MEADOW-PATCH T2 may be placed over control joints and tooled prior to final set (usually 20 minutes after application) using an edging tool to give a frame design.

PLACEMENT

Apply a base-coat of the properly mixed and prepared substrate either by Magic Trowel, TexMaster Tools (www.texmaster.com), steel trowel, wood float, or hopper sprayer onto the surface, filling in low or deteriorated areas. The purpose of the base-coat is to fill in any defects while leaving the material even with the high spots. Allow base-coat to dry 2-6 hours, depending on temperate and sun. Remove any high spots or rough areas using a rubbing stone.

Slightly pre-dampen the base coat, especially on hot or sunny days, to cool the surface to allow for easier application and longer open time. Apply the topcoat by Magic Trowel or hopper sprayer to a uniform smooth or desired surface. A broom finish may be applied immediately following application, typically within 10 minutes maximum.

For additional application techniques or decorative enhancements, such as stenciling, please contact a W. R. MEADOWS representative at (800) 342-5976.

CURING

Protect from early water loss under extreme conditions, such as hot weather, direct sun, or strong winds. Cure final coat with DECRA-SEAL™ W/B for protection from early water loss. Do not use solvent-based curing compounds or sealers.

APPLICATION

NOTE: The following information is for MEADOW-PATCH T2 as a repair mortar.

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 or wire-abrading are not approved surface preparation methods.

Substrate must be SSD and free of standing water.

Prime SSD substrate with slurry coat (two parts powder to one part ACRY-LOK). Allow slurry coat to become tacky prior to application of MEADOW-PATCH T2. Do not allow slurry coat to become tack-free. If slurry coat becomes tack-free prior to application of the bulk mix, reapply slurry coat after primed substrate has been properly saturated to SSD condition.

Mix Ratios: ACRY-LOK to MEADOW-PATCH T2

0.75 - 1 gal. (2.8 - 3.78 L) per 50 lb. (22.7 kg) bag.

Procedures ... Same as procedures on previous page.

EXTENSION

As a Repair Mortar ... Applications greater than 1" (25.4 mm) must be extended with 12.5 lb. (5.68 kg) of 1/4" washed, dry pea gravel. Applications greater than 2" (50.8 mm) must be extended with 25 lb. (11.36 kg) of 3/8" washed, dry pea gravel. Maximum application depth is 4" (101.6 mm).

CRACK DETAIL

Detail existing cracks, either by injecting or gravity feeding a low viscosity epoxy such as REZI-WELD® LV STATE or REZI-WELD 1000 STATE, conforming to ASTM C 881, Type IV, Grade 1 or 2, Class B or C. Active cracks may telegraph through MEADOW-PATCH T2 concrete resurfacer.

PLACEMENT

As a Repair Mortar ... Apply MEADOW-PATCH T2 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 these additional procedures if hot or cold weather conditions exist: Standard on Hot Weather Concreting, ACI 305-R89 or Standard on Cold Weather Concreting, ACI 306-R88.

CURING

Cure MEADOW-PATCH T2 immediately following application using a suitable water-based curing compound from W. R. MEADOWS, or in accordance with ACI 308. W. R. MEADOWS recommends 2250-WHITE, 1130-CLEAR, or DECRA-SEAL W/B for curing. (Do not use solvent-based curing compounds.)

SAFETY AND TOXICITY

Avoid direct contact with this product, as it may cause skin and eye irritation. Utilize gloves and safety glasses to minimize direct contact. Avoid inhalation of dust. Inhalation may cause respiratory irritation and/or lung disease (silicosis). 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 recommended in dusty environments. Refer to Product Material Safety Data Sheet for complete health and safety information. Keep product out of reach of children.

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**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.