



DATA SHEET NO. 3900-522

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 1.6 - 12.7 mm (1/16" – 1/2") in depth.

MEADOW-PATCH T2 is also a premium-grade repair mortar capable of patching concrete from featheredge to 50.8 mm (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.

MEADOW-PATCH T2 is specifically designed to resurface sidewalks, walkways, patios, decks, driveways, entrance ways and general-purpose concrete slabs.

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 2.8 L (3 U.S. qt.) of ACRY-LOK™ per 22.7 kg (50 lb.) bag at 23.9° C (75° F).

Set Times per ASTM C 191

Initial 4 hours
Final 6 hours

Compressive strength per ASTM C 109

@ 1 day 13.8 MPa (2,000 psi)
@ 28 days 34.5 MPa (5,000 psi)

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

COLOUR

Light Grey.

PACKAGING

22.7 Kg (50 Lb.) Bag
22.7 Kg (50 Lb.) Pail

YIELD AND COVERAGE

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

Depth	Unit ¹
1.6 mm (1/16")	9.3 m ² (100.1 ft. ²)
3.2 mm (1/8")	4.6 m ² (49.5 ft. ²)
6.4 mm (1/4")	2.3 m ² (24.8 ft. ²)
12.7 mm (1/2")	1.15 m ² (12.4 ft. ²)

Note¹: Single-Coat Application (two-coat application typically required as a concrete resurfacer). For example, a two-coat system at 3.2 mm would yield 4.6 m² per bag (9.3 m²/two coats = 4.6 m²).

SHELF LIFE

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

FEATURES/BENEFITS

- Repairs and resurfaces.
- Colour-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 vapour barrier.
- Excellent freeze-thaw characteristics – Long-term exterior stability.

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FOR BEST PERFORMANCE:

- MEADOW-PATCH T2 is recommended as a concrete resurfacer and/or topping from 1.6 - 12.7 mm (1/16 – 1/2") in depth.
- Not intended to be used as a self-levelling underlayment.
- Do not apply below 7.2° C (45° F) or above 32.2° C (90° F) 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: 3.78 L (1 U.S. gal.) per 22.7 kg (50 lb.) bag.
Topcoat: 4.72 L (1.25 U.S. gal.) per 22.7 kg (50 lb.) bag.

Procedures ... Using a mortar-type mixer, pour ¾ 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 [18.9 L (5 U.S. gal.)] 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 25°C (77°F).

Crack Detail ... Detail existing cracks, either by injecting or gravity feeding a low viscosity epoxy such as REZI-WELD LV 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 stencilling, 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 VOCOMP®-25 from W. R. MEADOWS 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.

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WARRANTY: W. R. Meadows of Canada warrants that, at the time and place we make shipment, our materials will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM OF TRADE OR OTHERWISE. As the exclusive remedy for breach of this Warranty, we will replace defective materials, provided, however, that the buyer examine the materials when received and promptly notify us in writing of any defect before the materials are used or incorporated into a structure. Three (3) months after W. R. Meadows of Canada has shipped the materials, all our Warranty and other duties with respect to the quality of the materials delivered shall conclusively be presumed to have been satisfied, all liability therefore terminates and no action for breach of any such duties may thereafter be commenced. W. R. Meadows of Canada shall in no event be liable for consequential damages. Unless otherwise agreed to in writing, no warranty is made with respect to materials not manufactured by W. R. Meadows of Canada. We cannot warrant or in any way guarantee any particular method of use or application or the performance of materials under any particular condition. Neither this Warranty nor our liability may be extended or amended by our salesmen, distributors or representatives, or by our distributor's representatives, or by any sales information or drawings.

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 Saturated, Surface Dry (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

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

Procedures ... Same as procedures on previous page.

EXTENSION

As a Repair Mortar ... Applications greater than 25.4 mm (1") must be extended with 5.68 kg (12.5 lb.) of 6.4 mm (1/4") washed, dry pea gravel. Applications greater than 50.8 mm (2") must be extended with 11.36 kg (25 lb.) of 9.5 mm (3/8") washed, dry pea gravel. Maximum application depth is 101.6 mm (4").

Crack Detail ... Detail existing cracks, either by injecting or gravity feeding a low viscosity epoxy such as REZI-WELD® LV STATE from W. R. MEADOWS, conforming to ASTM C881, 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. 1220-WHITE, 1100, or VOCOMP-25 from W. R. MEADOWS is recommended 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 Safety Data Sheet for complete health and safety information. Keep product out of reach of children.

MASTERFORMAT NUMBER AND TITLE

03 01 30.61 Resurfacing of Cast-in-Place Concrete

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