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MEADOW-PATCH® 20

Fast Setting, General Purpose Cementitious Repair Mortar

DESCRIPTION

MEADOW-PATCH 20 is a one component, cementitious, fast setting restoration/repair mortar. This product has a light gray color and is designed for vertical, overhead and horizontal applications. This fast setting, low slump repair mortar may be troweled, shaped, molded and shaved before taking a final set. MEADOW-PATCH 20 is an excellent patching solution for difficult vertical and overhead applications without using expensive forming techniques.

USES

MEADOW-PATCH 20 is easy to mix and apply. This fast-setting, low slump mortar is designed to minimize downtime. Because of its versatility, MEADOW-PATCH 20 can be used vertically, horizontally or overhead. Whether the installation is interior or exterior, MEADOW-PATCH 20 is an excellent choice for fast repairs above, below, or on grade. Typical applications include repairs to curb and gutters, precast concrete elements, tie-rod holes, concrete pipe, columns, beams or any other general-purpose repair.

TECHNICAL DATA

*Set times per ASTM C 191**

Initial 8-12 minutes

Final 15-20 minutes

Compressive strength per ASTM C 109

@ 1 day 3,000 psi (20.7 Mpa)

@ 28 days 6,500 psi (44.8 Mpa)

*For jobs requiring a faster set time, the use of MEADOW-PATCH® 5 from W. R. MEADOWS is recommended.

FEATURES AND BENEFITS

- Low slump design for easy molding and shaping/No forms needed.
- May be featheredged/Tenacious bond.
- May be used vertically, horizontally or overhead/Highly versatile.
- Excellent freeze-thaw characteristics/Long term repair stability.
- Fast setting/Increases turn around time.
- Highly suitable for pre-cast and cast-in-place concrete patching.
- Light gray in color.
- Designed to aesthetically blend with typical concrete.
- Suitable for concrete pipe construction work.

PACKAGING

50 lb. (22.7 kg) bag

SHELF LIFE

1 year when left in original, unopened packaging and stored indoors.

COVERAGE

MEADOW-PATCH 20 yield per
50 lb. bag is 0.45 cu. ft. (0.013 cu. m.)

CONTINUED ON REVERSE SIDE...

W. R. MEADOWS, INC.

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FOR BEST PERFORMANCE

- MEADOW-PATCH 20 is recommended for concrete repairs only.
- Not intended to be used as a self-leveling underlayment or topping; MEADOW-PATCH 20 is designed as a trowel down repair mortar.
- Do not apply below 35° F (1.7 ° C) or above 90° F (32.2° C), or when rain is imminent.
- Protect from freezing for a minimum 24 hours.
- Do not bridge moving cracks. Extend existing control, construction and expansion joints through MEADOW-PATCH 20.
- For large areas with no control, expansion or construction joints, refer to ACI Guidelines.
- The length-to-width ratio of the repair area should not exceed 2 to 1.
- 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.
- For jobs requiring a faster set time, the use of MEADOW-PATCH 5 from W. R. MEADOWS is recommended.
- Featheredging may result in reduced durability and performance.
- Maximum application thickness should not exceed 2" (51 mm) when applied neat.
- Protect from conditions that may cause early water loss such as: wind, low humidity, high temperature and direct sunlight. Early water loss is also amplified in thin applications.
- Failure to follow industry standard practices may 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 job-site.

SURFACE PREPARATION

Perform surface preparation in accordance with ICRI Technical Guidelines No. 03730. Mechanically abrade existing substrate to remove all unsound concrete, but do not use excessive force, which may cause micro-fracturing. Substrate must be structurally sound and free of any contaminant that will adversely affect bond. Prepared surface must be dust-free and have sufficient profile to ensure adequate mechanical lock.

Completely expose all reinforcing steel, ensuring a minimum clearance of 3/4" behind reinforcing steel. Perform reinforcing steel preparation in accordance with ICRI Technical Guidelines No. 03730.

Pre-soak repair zone, prior to application of slurry coat to a saturated surface dry (SSD) condition and free of standing water. Prime (SSD) substrate with a slurry coat (2 parts MEADOW-PATCH 20 powder to 1 part water or ACRY-LOK™ from W. R. MEADOWS). Allow slurry coat to become tacky prior to application of MEADOW-PATCH 20. Do not allow slurry coat to become tack-free.

MIXING

MEADOW-PATCH 20 requires 3.5-4 quarts (3.30-3.78 L) of potable water per 50 lb. (22.7 kg.) bag depending on desired consistency. Mix for 3 minutes or until homogenous and until lump-free. Do not mix more material than can be placed and finished within 8-12 minutes at 77° F (25° C). Do not over-mix. MEADOW-PATCH 20 may be mixed with 1.25 gallons (4.7 L) of ACRY-LOK per 50 lb. (22.7 kg) bag to achieve greater durability and enhanced performance.



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.

PLACEMENT

Compact MEADOW-PATCH 20 into properly prepared (SSD) substrate prior to bulk placement. Finish surface with a wood or steel trowel or sponge float. MEADOW-PATCH 20 may be applied up to 2" (51mm). Do not re-temper or over-work product. Follow ACI 305-R89 "Standard on Hot Weather Concreting" or ACI 306-R88 "Standard on Cold Weather Concreting," when applicable.

CURING

Cure MEADOW-PATCH 20 immediately following application using a suitable curing compound from W. R. MEADOWS, or in accordance with ACI 308. W. R. MEADOWS recommends 2250-WHITE or 1130-CLEAR. When conditions exist for rapid early water loss, the use of EVAPRE™, an evaporation retarder from W. R. MEADOWS, is also recommended.

HEALTH AND SAFETY

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.

FOR BEST PERFORMANCE, ENSURE MOST RECENT TECHNICAL DATA SHEET IS BEING USED BY VISITING OUR WEBSITE: www.wrmeadows.com