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(Supersedes August 2024)

CEM-KOTE CW PATCH

Crystalline Waterproofing, Fast Setting, Cementitious Repair Mortar

DESCRIPTION

CEM-KOTE CW PATCH is a one-component, cementitious repair mortar that incorporates proprietary crystalline waterproofing technology. It is designed for use as part of the CEM-KOTE line of cementitious coatings or in any application where increased protection from chloride and moisture intrusion is required. This fast-setting, low-slump mortar is suitable for vertical, overhead, and horizontal applications. The advanced crystalline admixture in CEM-KOTE CW PATCH reduces chloride and water intrusion, enhancing durability. It can be easily troweled, shaped, molded, and shaved before final set, offering versatility for various restoration and repair projects.

USES

CEM-KOTE CW PATCH is specifically designed for use with the CEM-KOTE line of crystalline waterproof coating and the full line of MEL-ROL, PRECON, MEL-DEK, HYDRASTOP and CLAYTITE waterproofing materials. This fast-setting, low slump mortar is designed to minimize downtime. Because of its versatility, CEM-KOTE CW PATCH can be used vertically, horizontally, or overhead. Whether the installation is interior or exterior, CEM-KOTE CW PATCH is an excellent choice for fast repairs above-, below-, or on-grade. Suitable for patching form ties, precast lift pins or hooks and any other defect prior to waterproofing. Suitable for concrete pipe construction work.

FEATURES/BENEFITS

- Contains crystalline waterproofing technology.
- Low slump design for easy molding and shaping/No forms needed.
- May be feathered-edged/Tenacious bond.
- May be used vertically, horizontally, or overhead/Highly versatile.
- Excellent freeze-thaw characteristics/Long term repair stability.
- Fast setting/Increases turnaround time.
- Highly suitable for precast, tilt-wall, and cast-in-place concrete patching.
- Designed to aesthetically blend with typical concrete.
- Architectural-grade, light gray color.

PACKAGING

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

COVERAGE

CEM-KOTE CW PATCH yield per 50 lb. bag is 0.45 ft.³ (0.013 m³).

SHELF LIFE

For bags, 18 months from date of manufacture when stored indoors on pallets in a dry, cool area. For pails, 2 years when stored indoors on pallets in a dry, cool area. Do not store bagged material outside.

TECHNICAL DATA

Set times per ASTM C191:

Initial 20 - 25 minutes

Final 60 - 65 minutes

Compressive strength per ASTM C109:

@ 1 day: 2,500 psi (17.2 MPa)

@ 3 days: 6,000 psi (41.3 MPa)

@ 7 days: 7,000 psi (41.3 MPa)

@ 28 days: 7,500 psi (51.7 MPa)

APPLICATION

Surface Preparation ... Prepare concrete substrate in accordance with ICRI Technical Guideline #310.2: 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-3 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.

CONTINUED ON REVERSE SIDE ...

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Sanding, cup grinding, or wire-abrading are not approved surface preparation methods.

Substrate must be saturated, surface dry (SSD) and free of standing water. For increased bond, prime substrate with REZI-WELD™ 1000 medium-viscosity structural bonding agent from W. R. MEADOWS and follow surface prep and application procedures as outlined on that data sheet.

Mixing ... CEM-KOTE CW PATCH requires 3.5 - 4 quarts (3.30 - 3.78 L) of potable water per bag depending on desired consistency. Mix for three minutes or until homogenous and until lump-free. Do not mix more material than can be placed and finished within 20-25 minutes at 77° F (25° C). Do not over-mix.

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

Curing ... Wet cure CEM-KOTE CW PATCH for three days if going to leave exposed or uncovered by a waterproofing membrane the same day of installation.

PRECAUTIONS

CEM-KOTE CW PATCH is recommended for concrete repairs only. CEM-KOTE CW PATCH 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 CEM-KOTE CW PATCH. 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 increase and will increase as the temperature decreases. 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, direct sunlight. Early water loss is also amplified in thin applications. Failure to follow industry standard practices may result in decreased material performance.

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 Safety Data Sheet for complete health and safety information. Keep product out of reach of children.



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

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