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CEM-KOTE CW PATCH

Crystalline Waterproofing, Fast Setting, General Purpose 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 coatings and the full line of MEL-ROL®, PRECON®, MEL-DEK™, HYDRASTOP™ and CLAY-TITE™ 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. The product is suitable for patching form ties, precast lift pins or hooks and any other defect prior to waterproofing. The product is also 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

22.7 kg (50 lb.) bags
22.7 kg (50 lb.) pails

COVERAGE/YIELD

CEM-KOTE CW PATCH yield per 22.7 kg (50 lb. bag) is 0.013 m³ (0.45 ft.³).

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SHELF LIFE

For bags, 18 months from date of manufacture when stored indoors on pallets in a dry, cool area. For pails, two 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:	17.2 MPa (2500 psi)
@ 3 days:	41.3 MPa (6000 psi)
@ 7 days:	48.3 MPa (7000 psi)
@ 28 days:	51.7 MPa (7500 psi)

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.

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 REZIWELD™ 1000 from W. R. MEADOWS and follow surface prep and application procedures as outlined on that data sheet.

Mixing ... CEM-KOTE CW PATCH requires 3.3 - 3.78 L (3.5 - 4 qt.) 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 25° C. Do not over-mix.

Application Method ... 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 51 mm (2"). 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.

HAMPSHIRE, IL / CARTERSVILLE, GA / YORK, PA

FORT WORTH, TX / BENICIA, CA / POMONA, CA

GOODYEAR, AZ / MILTON, ON / SHERWOOD PARK, AB

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.

Cleanup ... All tools and equipment must be cleaned with water immediately after use. Cured material must be removed mechanically.

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 1.7° C or above 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 51 mm (2") 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.

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.

For most recent data sheet, sustainability information, and SDS, visit www.gemite.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.