



MEADOW-COAT Cementitious Coating

DESCRIPTION

MEADOW-COAT is an easy to use single component, polymer modified, cementitious coating, designed to waterproof and protect both interior and exterior concrete surfaces.

USE

MEADOW-COAT is designed for use in restoration, as an integral part of a complete **MEADOWS CONCRETE REPAIR SYSTEM** as well as new construction. It provides an economical, tough, durable, waterproof coating. MEADOW-COAT may be used on bridges, parking structures, building facades and other concrete structures.

For horizontal applications contact W. R. MEADOWS Technical Services.

MEADOW-COAT has limited resistance to hydrostatic pressure when cured, and is suitable for use in water retaining structures, basements, fountains, retaining walls and floor slabs.

FEATURES/BENEFITS

- Vapour Permeable
- Waterproofs
- Non-toxic
- Excellent bond to substrate
- Sprayable
- Non-flammable
- UV resistant
- Economical

PROPERTIES

Salt Scaling Resistance (ASTM C 672)	Excellent
Chloride Content (ASTM D 1411)	0.01% or less
Elcometer Adhesion (ASTM D 4541)	100% adhesive failure (0% bond loss)
Thermal Compatibility (ASTM C 884)	5 cycles, no delamination
UV Resistance	No yellowing after 1,000 cycles
Working Time	45 minutes @ 21°C (70°F)
Re-Coat Time (temperature dependant)	15 - 40 minutes

DATA SHEET 3900-332

COMPLIMENTARY REPAIR/PATCHING PRODUCTS:

- **MEADOW-CRETE® H**, horizontal, cementitious structural repair, 12.7 mm (1/2") minimum
- **MEADOW-CRETE® OV**, overhead/vertical cementitious structural repair, 12.7 mm (1/2") minimum
- **FUTURA® 15** rapid-hardening repair mortar
- **MEADOW-PATCH™ T1/T2**, thin set repair mortars

MEADOWS GROUTS:

- **CG-86™**

MEADOWS REZI-WELD™ EPOXIES:

- **1000, Gel Paste, L.V., Rapid set injection, Grout Patch, FLEX**

MEADOWS CURING & CURE/SEAL:

- Complete family of V.O.C. compliant and water-base products

PACKAGING AND STORAGE

MEADOW-COAT is a single component material packaged in 17 kg (37.5 lb.) bags.

When stored on pallets in a dry, cool area, it has a shelf life of 12 months.

COLOURS AND YIELD

Yield: Each 17 kg (37.5 lb.) bag of MEADOW-COAT yields 15.81 litres (0.57 ft.³) and covers approximately 31.45 m² @ 0.5 mm (333. ft.² @ 20 mils) thickness per two (2) coat application.

The actual coverage will vary based on surface texture and finished film thickness. It is the responsibility of the applicator to do a test sample to determine actual project coverage's.

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Colours: Grey, Light Grey and White.

CAUTION

Do not apply MEADOW-COAT when the temperature is expected to be below 5°C (40°F) within 24 hours or when rain is imminent. When applying in temperatures exceeding 25°C (77°F), or windy weather, take appropriate precautions to prevent premature or rapid drying of the MEADOW-COAT.

When using as a negative side waterproofing contact W. R. MEADOWS Technical Services prior to application (800-563-3618)

INSTALLATION

Contact W. R. MEADOWS Technical Services (800-563-3618) for specific project recommendations.

Surface Preparation

Abrade existing substrate to remove all unsound concrete, but do not use excessive force, which may cause micro fracturing, consider sand blasting or the use of high-pressure water. Prepare surface in accordance with ICRI Technical Guide No. 03730. Substrate must be structurally sound and free of grease, oil, dirt or any other contaminants that can adversely affect the bond. Prepared surface must be dust-free and saturated to a surface dry (SSD) condition, free of standing water.

New Concrete should be a minimum of three days old. Repair all surface defects that are to receive MEADOW-COAT utilizing MEADOW-CRETE (for repairs deeper than 13 mm (1/2"), or MEADOW-PATCH T1/T2 for repairs less than 13 mm (1/2"). Leave the surface of the patch rough, and clean it thoroughly with high-pressure water before application of MEADOW-COAT. Apply MEADOW-COAT within 48 hours after cleaning.

All exposed reinforcing steel must be treated prior to the application of a repair mortar with two coats of PATCH-PRIME™ Exposed Steel Primer (see data sheet 3900-322).

Contact W. R. MEADOWS Technical Services (800-563-3618) for specific project requirements

Mixing

Use a mortar mixer with rubber tipped blades or a heavy-duty drill (400 – 600 rpm) with a mixing paddle. Use 7.6 L (1.67 Imp. gals.) of water per bag of MEADOW-COAT. Place 3/4 of the water into a clean container and gradually add MEADOW-COAT powder, while mixing, until a thick creamy consistency is obtained. After initial mixing allow material to sit for 3 - 5 minutes, re-mix and add remaining water to adjust the consistency for application.

Application

Apply MEADOW-COAT in two (2) coats, to a SSD (saturated surface dry substrate), to build up approximately 0.5 mm (20 mils) thick layer. **Do not** saturate the surface between coats of MEADOW-COAT.

Apply second coat when the first coat becomes tack free, but not later than 4 hours. MEADOW-COAT may be applied with a short nap paint roller.

Contact W. R. MEADOWS Technical Services for Spray Application

Curing

Cure MEADOW-COAT by air-drying for a minimum of 72 hours.

For interior floor applications, wet cure for a minimum of 48 - 72 hours.

Clean Up

All tools must be cleaned with water immediately after use. Cured material can only be removed mechanically.

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.

SPECIFICATION CLAUSE

Section 03 0130.71

Keep out of reach of children

FOR INDUSTRIAL USE ONLY

FOR BEST PERFORMANCE, ENSURE MOST RECENT TECHNICAL DATA SHEET IS BEING USED ... VISIT OUR WEBSITE AT:

www.wrmeadows.com

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