



TECHNICAL DATA SECTION 1

Properties	Test Method	Test Results
Color		Teal (blueish green)
Permeabilities	ASTM D 1653B	Inverted: 13.23 @ 30 mil dry/14.98 @ 20 mil dry Standard: 8.64 @ 30 mil dry/6.74 @ 20 mil dry
Water Penetration	ASTM E 331	Passed 15 psf/DP80
Temperature Cycling	ASTM E 2264-05	Passed at Level 3, thermal cycling at 0°F to 180° F (-18°C to 82°C)
Hydrostatic Pressure Over Cracks	ASTM C 836-95	35.45 Bursting Pressure (ft H ₂ O)
Low Temperature Flexibility & Crack bridging	ASTM C 836, Section 6.7	No cracking or damage was observed
Adhesion Strength	ASTM C 836, Section 6.10	Average 2.634 lbf/in
Resistance to Water	ASTM D 2939, Section 15	No softening or loss of adhesion
Extensibility after heat aging	ASTM C 836, Section 6.12	No breaking, cracking or tearing of the film was observed
Extensibility after resistance to Decay	ASTM E 154	No rupture, cracking or pinholes were observed
Color Fastness of Surface Coating	ASTM D 2565	No change was observed after 1000 hours of exposure
Resistance to Mold Growth	ASTM D 3273-94	No mold growth was observed
Water Absorption 7 Days Exposure	ASTM D 471	38.8% @ 30 mil dry 34.6% @ 20 mil dry
Tensile @ Peak	ASTM D 412	71 psi @ 30 mil dry 73 psi @ 20 mil dry
Elongation @ Break	ASTM D 412	597% @ 30 mil dry 604% @ 20 mil dry
VOC	ASTM D 3792	Contains <190 gm/l voc
Weight		9 lbs/gallon
Coverage		Up to 65 square feet per gallon @ 30 mil wet
Service Temperature		40°F to 120°F (4°C to 49°C)
Application Temperature		40°F (4°C) and rising
Drying time @ 77°F (25°C), 50% RH		Temperature & humidity dependent Touch: within an hour
Flammability		The product is an aqueous solution and will not burn. If the liquid is allowed to evaporate, the solid residue will burn.
Peel-Off Strength LWM200 on CMU Block	ABAA T0002-2019/ ASTM D 4541	535 psi
Peel-Off Strength Portland Cement Based Stucco on LWM200 on CMU Block	ABAA T0002-2019/ ASTM D 4541	35 psi

TECHNICAL DATA - SECTION 2		
AAMA 714-19		
Properties	Test Method	Test Results
Adhesion Strength Peel Adhesion Req. \geq 5 pli	AAMA 714 § 5.1 ASTM C 794	CMU 13 pli Cement Mortar Slabs 12 pli Plywood APA Grade Exposure 1 13 pli
Water Penetration Resistance Around Nails (Pass/Fail)	AAMA 714 § 5.2 & § 5.3	1. As Received Pass 2. Thermal Cycling Pass
Accelerated Aging 1. Peel Adhesion Req. \geq 5 pli 2. Appearance	AAMA 714 § 5.3 ASTM G 154 ASTM C 794	1. Cement Mortar Slab 10 pli 2. Appearance Pass (No change)
Elevated Temperature 1. Peel Adhesion Req. \geq 5 pli 2. Appearance	AAMA 714 § 5.4 ASTM C 794	1. Cement Mortar Slab 10 pli 2. Appearance Pass (No change)
Thermal Cycling 1. Peel Adhesion Req. \geq 5 pli 2. Appearance	AAMA 714 § 5.5 ASTM C 794	1. Cement Mortar Slab 11 pli 2. Appearance Pass (No change)
Crack Bridging Ability No cracking, splitting, pinholes or other conditions in the area of the joint in the substrates	AAMA 714 § 5.7 AAMA 711 § 5.8 ASTM C1305	See Low Temperature Flexibility & Crack Bridging in Section One above
Water Immersion 1. Peel Adhesion Req. \geq 5 pli 2. Appearance	AAMA 714 § 5.7 AAMA 714 § 5.8 ASTM C 794	1. Anodized Aluminum 11 pli 2. Appearance Pass (No change)

PACKAGING

1 gallon and 5 gallon containers (larger containers available upon request)

DESCRIPTION

LWM200™ is a liquid applied waterproofing membrane that is a non-hazardous, water-based non-bituminous, environmentally friendly, elastomeric polymer dispersion waterproofing membrane.

FEATURES

- One coat application (based upon a 30 mil wet application)
- No primer required
- Will stop water leaks in non-structural cracks
- Can be applied to damp openings
- Allows for easy reapplications and repairs
- Continuous coating, eliminates seams
- Paintable, UV stable, will not emulsify
- Standard color is teal (bluish green)
- Apply with brush or roller
- Reduces potential for mold growth
- Permeable
- Compatible with most commonly used building and window substrates, such as OSB, plywood, CMU, vinyl, aluminum, DensGlass Gold®, Huber Zip Wall® sheathing, treated lumber and various foam insulated products
- Can be applied on green concrete
- Will accept direct application of Stucco

USES

LWM200 is specifically designed for the demanding requirements of waterproofing window, door and CMU openings; recessed window and door openings; an air barrier/weather resistant barrier on exterior sheathing products; and to waterproof commercial and residential foundations.

LIMITATIONS

Do not let product freeze. Do not dilute liquid applied waterproofing membrane. Store indoors at temperatures above 40°F (4°C). Protecto Wrap recommends the ambient temperature should be 32°F (0°C) and rising before application. Do not leave product in direct sun light. Do not leave container open when not using liquid applied waterproofing membrane. Do not use during rain or snow storms.

SHELF LIFE

LWM200 has a minimum 12 month shelf life if stored in original unopened containers (some separation may occur and should be re-mixed thoroughly prior to use using a standard paddle mixer).

STORAGE

Store indoors at temperatures above 40°F (4°C) in original unopened containers.

PREPARATION

Repair all structural deficiencies before applying **LWM200**. All surfaces should be clean and free of any frost, dirt, debris or other contaminants. Protect areas or surfaces not to be coated, such as doors, windows and floors, prior to applying **LWM200**.

Non-structural gaps and cracks up to 1/16" can be sealed with **LWM200**. Gaps and cracks 1/8" to 1/4" must be sealed with **Protecto Sealant 25XL**. Gaps and cracks 1/4" to 3/8" must be filled. Gaps larger than 3/8" must be repaired prior to applying **LWM200**.

APPLICATION

LWM200 may be applied with a brush or roller without dilution. A minimum total wet application of 30 mils and a surface with 10 or less pinholes per square foot is required for a waterproofing system using a brush, roller, or spray application.

A spray applied version of **LWM200 Liquid Waterproofing Membrane** is available upon request. Call your Protecto Wrap Representative for additional information. For commercial and residential foundation applications, use the spray applied version. For a spray application, and depending upon sprayer equipment used, the recommended orifice size is 0.027 to 0.031 inches with a minimum pressure of 1800 psi. Equipment cleans up with water.

LWM200 provides a suitable substrate for direct stucco application. For best results the base coat should be applied as a thin coat and slightly drier than if being applied directly to CMU. Heavy coat may slump if the mixture is too wet. Bonding agents should not be necessary; however, if they are used they should be latex based.

Specific installation instructions and detail drawings can be found at www.protectowrap.com.

LWM200's water based formula allows it to be applied over green concrete. The American Concrete Institute defines green concrete as concrete which has set but has not appreciably hardened.

CLEAN UP

Tools and surfaces can be cleaned with soap and water if **LWM200** is not cured.

CAUTION

Protecto Wrap Company recommends the use of protective gloves and safety glasses. **LWM200** contains Latex polymers.

LIMITED WARRANTY

LWM200 is covered by the Protecto Wrap Company Standard 10 Year Limited Warranty.

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