PHYSICAL PROPERTIES (TYPICAL)

Solids Content, %:	58
Color:	Gray (Black – special order only)
Flexibility @ -26° C (-15° F), (ASTM C 836):	PASS
Elongation (ASTM D 412), %:	1200
Water Vapor Permeance (ASTM E 96, Procedure B) Perms:	12
Service Temperature:	Not to exceed 175° F (80° C)
Nail Sealability (ASTM D 1970):	Pass
Storage and Application Temperature of AIR-SHIELD LMP For Roller Application: For Spray Application:	 40 - 90° F (4 - 32° C) 60 - 90° F (16 - 32° C)
Air/Substrate Temperature (At Time of Application):	> 40° F (4° C)

LEED INFORMATION

May help contribute to LEED credits:

- EA Credit 1: Optimize Energy Performance
- IEQ Credit 3.1: Construction IAQ Management Plan: During Construction
- IEQ Credit 4.2: Low-Emitting Materials: Paints & Coatings
- IEQ Credit 7.1: Thermal Comfort - Design
- MR Credit 2: Construction Waste Management
- MR Credit 5: Regional Materials

APPLICATION

Surface Preparation … All surfaces must be clean (free of all coatings and curing compounds), free of frost, structurally sound and relatively smooth. AIR-SHIELD LMP can be applied to "green" or damp concrete if there is no liquid water on the surface. Prepare substrate per manufacturer's instruction prior to membrane application.

Exterior Sheathing Panels … Exterior sheathing panels are to be installed and fastened per manufacturer's recommendation. Joints <1/4" should be pretreated with AIR-SHIELD LMP or filled with AIR-SHIELD JOINT FILLER in order for the material to create a continuous film when applied. Joints >¼" in exterior sheathing panels (drywall and glass-faced) should be filled with AIR-SHIELD JOINT FILLER and then taped with 2" wide AIR-SHIELD MESH TAPE. For plywood and oriented strand board (OSB), use AIR-SHIELD self-adhesive membrane over all joints.

Details and Protrusions … Before application of AIR-SHIELD LMP, apply a 6" (152 mm) minimum wide strip (lapped 3" on each side) of AIR-SHIELD where joints between dissimilar building materials occur, i.e. details around doors and windows, as well as protrusions. Architectural details are available online at www.wrmeadows.com or by calling 1-800-342-5976.

Concrete Masonry Units … Before applying AIR-SHIELD LMP to CMU surfaces, patch all cracks, protrusions, small voids, offsets, details, irregularities and small deformities with MEADOW-PATCH® 5 or MEADOW-PATCH 20 at least two hours before application.

Appearance … AIR-SHIELD LMP (gray) will dry gray in color. AIR-SHIELD LMP (black) appears dark gray in the container, but the dried film will be black.

Temperature/Conditions … Apply AIR-SHIELD LMP at air and surface temperatures of 40° F and higher. Curing/drying times are dependent on air temperature, airflow, relative humidity, substrate temperature, etc., specific to each individual application. Typical results are:

Tack-Free Time: 2 hours
Full Cure: 48 hours

Roller … AIR-SHIELD LMP can be applied directly from the container; a ¾" nap roller is recommended. Apply AIR-SHIELD LMP on a vertical surface, in multiple coats if necessary, to achieve a final film thickness of 60 mils wet (30 mils dry). NOTE: While the proper film thickness may be achieved with a single coat, multiple coats may be necessary if the material slumps due to temperature and/or substrate conditions. Allow each previous coat to dry (approximately one hour) prior to applying the next coat.

Sprayer … AIR-SHIELD LMP should be stored and maintained at a temperature of 60° F or higher throughout the entire spray application. The product will become thick and difficult to spray at temperatures below 60° F. Note: Use of Graco HydraMax 350 or Graco GH833 is recommended for optimum performance. A Graco heavy duty texture gun with either a 0.051" (Graco GHD 551), 0.035" (Graco GHD 535), or 0.037" (Graco GHD 537) spray tip is recommended. If cratering occurs, the GHD 535 or 537 is recommended for a smoother finish.

Spray AIR-SHIELD LMP on a vertical surface, in multiple coats if necessary, to achieve a final film thickness of 60 mils wet (30 mils dry). NOTE: While the proper film thickness may be achieved with a single coat, multiple coats may be necessary if the material slumps due to temperature and/or substrate conditions. Allow each previous coat to dry (approximately one hour) prior to applying the next coat.

Film Thickness … Frequently inspect the surface with a wet film gauge to verify that proper film thickness is achieved, and that the film thickness is uniform over the entire surface. Porous substrates, masonry blocks, etc., may require multiple coats to achieve recommended film thickness.

COVERAGE

Application Rate	25 ft.^{2}/gal.
Wet Film Thickness	60 mil (1.52 mm)
Cured Film Thickness	30 mil (0.76 mm)

CLEANUP

Material should not be left in the pump, lines or gun when finished spraying. After spraying, flush water through the system until pump and hose are clear (approximately five gallons). Aromatic solvents, such as xylene or toluene (approximately two gallons) can be used for final flushing after water is flushed through the pump and lines. Water should be flushed through the machine to remove any solvent prior to spraying of AIR-SHIELD LMP.

SHELF LIFE (TYPICAL)

Twelve (12) months in original, unopened container. Store at 40° - 90° F.

PRECAUTIONS

DO NOT FREEZE. Keep containers tightly sealed. Maximum UV exposure period for grey membrane is six (6) months, unlimited for black. Do not apply AIR-SHIELD LMP if rainfall is forecast or imminent within 12 hours of application. Do not apply AIR-SHIELD LMP when temperatures are expected to fall below 32° F (0° C) within 24 hours of the completed application.

HEALTH AND SAFETY

Direct contact may result in mild irritation to the skin and eyes. Should adverse effects occur, remove subject from area immediately. If irritation occurs and persists, move victim from exposure source and treat symptomatically. Flush affected areas with mild soap and water. Refer to Material Safety Data Sheet for complete health and safety information.

TECHNICAL ASSISTANCE

Please contact W. R. MEADOWS for specific details and/or data not outlined in this literature. Technical assistance, from design to product application, is available upon request.

For CAD details, most current data sheet, further LEED information, and MSDS, visit www.wrmeadows.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.

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