



MAXLIFE
INDUSTRIES
INNOVATING THE
BUILDING ENCLOSURE

ArmorSeal

Sealants, Coatings, Tapes & Fasteners

PLUS COATING

PRODUCT DESCRIPTION

ArmorSeal Plus Coating is an air and water resistive barrier scientifically engineered to work with Magnesium Oxide (MgO) Board. When not factory-applied as part of the ArmorWall Plus panel, ArmorSeal Plus Coating is field-applied as part of the system to provide continuity to the air and water control layers at openings and transitions. ArmorSeal Plus Coating can be applied to other surfaces such as concrete which has been cured for a minimum of thirty days, CMU, and some wood products as well.

PRODUCT ADVANTAGES

Reduced Costs - Fast, versatile, and efficient, liquid-applied installation reduces labor. The liquid application allows for no holes or tearing also assuring proper lapping at joints. There is seamless integration into the ArmorWall Plus assembly allowing rapid quality control and inspection.

Tenacity - No loss in effectiveness or performance when exposed to weather and jobsite accidentals during prolonged construction.

Compatibility - Compatible with most paints, sealants, and coatings. Low odor and non-toxic.

Variable Vapor Diffusion - The three physical layers found in ArmorWall Plus, ArmorSeal Plus Coating, MgO, and insulation, have been scientifically engineered to properly diffuse vapor in all weather conditions. Using advanced manufacturing technology and natural materials in our coating, our proprietary system increases vapor permeance as relative humidity rises and decreases in vapor permeance as relative humidity lowers. This unique advancement enables Plus to work intelligently by varying its permeability from 1 - 10 US Perms based on atmospheric conditions. WUFI material database information is available upon request.

PRODUCT PREPARATION & APPLICATION

Stir well prior to use. Product is formulated to proper consistency, do not thin. Verify environmental conditions for best result application, apply when ambient conditions are between 50°F and 90°F (10°C and 32°C) for best results. Avoid application in direct sun. Ensure adequate ventilation in application area. Ensure surface is free from any contaminants and is dry prior to application. It is recommended to perform a field adhesion test prior to application to surfaces other than MgO to confirm desired results. Apply product using 1/2" to 3/4" nap roller, a 4" nylon/polyester brush, or an airless sprayer at 0.5 gallons per minute or greater with a 1/4" spray tip. Product requires a two-coat application at 22 wet mils per coat. Apply the first coat onto surface and ensure no voids or holes are uncovered. Product may be dry to the touch in 1 hour based on environmental conditions after the first coat. Apply the second coat after allowing adequate drying duration for the first coat and ensure no voids or holes are uncovered. The second coat may be dry to the touch in 4 hours based on environmental conditions. Fully cured in seven to fourteen days. Cure duration subject to low temperature or high humidity conditions.

REGULATORY COMPLIANCE

- South Coast Air Quality Management District (SCAQMD)
California Air Resource Board:
- Suggested Control Measure (CARB SCM 2007)
- Ozone Transport Commission (OTC+OTC Phase II)
- Lake Michigan Air Directors Consortium (LADCO)
- Architectural and Industrial Maintenance (AIM)



SPRAY APPLIED



BRUSH APPLIED



ROLLER APPLIED

PRODUCT LIMITATIONS/CAUTIONS

- Previously coated surfaces are not acceptable for coating application without significant preparation.
- Apply when ambient conditions are between 50°F and 90°F (10°C and 32°C) for best results. Avoid application in direct sun.
- For above grade application.
- Not for use as an exterior finish.
- Utilization of a slip sheet is necessary for stucco cladding applications.
- Protect to keep from freezing.
- Must be covered by cladding within 180 days. Open rainscreens with joints no greater than 1/4" are allowed for perpetuity.

STORAGE AND HANDLING

- Two Year product shelf life under normal conditions if left in unopened container.
- Seal container after use.
- Store used and unused to keep from freezing.
- Clean equipment used with soapy warm water.
- Do NOT dispose of product down the drain.
- Dispose of empty containers and used rags in accordance with current federal, state, and local regulations.
- Protect to keep from freezing.

Caution: Irritant

Do not take internally. May cause temporary throat, nose, and/or eye irritation. Avoid prolonged contact with skin. Avoid contact with eyes. Avoid breathing in spray mist or vapors. Apply product and allow product to dry in adequate ventilation.

CAUTION: KEEP OUT OF REACH OF CHILDREN.

First Aid:

If ingested, rinse mouth thoroughly, consult a physician if any symptoms develop. If experiencing difficulty breathing after inhalation, move to fresh air and if conditions persist, consult a physician. If experiencing skin irritation from prolonged exposure, wash off with soap and warm water, if irritation persists, consult a physician. In case of contact with eyes, flush immediately with clean water for 20 minutes and get medical attention if symptoms occur and persist.



Explore our other ArmorWall System Components:

ArmorBoard

ArmorBoard Plus

ArmorBoard Returns

ArmorBoard BG Return

ArmorSeal Plus Coating

ArmorSeal Sealant

ArmorSeal Mesh Reinforcement

ArmorSeal Self-Adhered Flashing

ArmorSeal BG Sealant

ArmorSeal BG Self-Adhered Flashing

ArmorSeal BG Mesh Reinforcement

PACKAGING AND CHARACTERISTICS	
ArmorSeal Plus Coating SKU # SLVPO51	
Size	4.92 gal (18.62 L) bucket
Color	Plum
Typical Application	Uncoated Panels, Returns, Three Course Application

PHYSICAL DATA	
Form	Batter-like, semi-gel liquid plum in color
Flash Point	N/A, 0 Flammability
Freeze Point	32°F (0°C)
Shelf Life	2 years in tightly sealed, unopened container
Weight per Gallon	12 lbs
% Solids by Volume	43% +/- 2%
% Solids by Weight	61% +/- 2%
VOC	< 100 g/L
Viscosity	100-110 KU
1st Coat Application Thickness	Wet: 22mils / Dry: 9.5mils @ 72 sqft/gal
2nd Coat Application Thickness	Wet: 22mils / Dry: 9.5mils @ 72 sqft/gal
Brush Type Application	Nylon/Polyester
Roller Application	1/2" to 3/4" Nap Roller
Airless Spray Application	2,400 to 3,200 psi Pressure, no filter, .025" spray tip

PERFORMANCE DATA			
PROPERTY	CRITERIA	RESULTS	TEST METHOD
Tensile Bond	Minimum 15 psi (105 kPa)	Pass	ASTM C 297
Fastener Sealability	No water infiltration	Pass	ASTM D 1970
Pull Adhesion	128 psi (876 kPa) or substrate failure	Pass	ASTM D 4541
Crack Bridging	> 1/16"	Pass	ASTM C 1305
Blistering	Visible blistering not allowed	No blisters	ASTM D714
Structural, Racking, and Restrained Environmental Conditioning	No cracking of the coating	Pass	ASTM E 72
Resistance to Wind Driven Rain Weathering	Tested at 90 mph+ No cracking of the coating, no water penetration	Pass	ASTM D6904 ICC-ES AC212
Water Resistance	No cracking, checking, crazing, erosion, delamination, or other deleterious effects	Pass	ASTM D 2247
Water Resistance	No water infiltration after exposure to 55 cm head of water for 5 hours	Pass	ASTCC 127
Water Penetration	No visible water penetration at the sheathing joints as viewed from the back of the panel	Pass	ASTM E 331
Water Vapor Permeability	Wet cup Method B	<10 US perms, varies by RH	ASTM E-96
Resistance to Hydrostatic Pressure	Full head water column exposed for extended period of time	12 psi	ASTM D7088
Air Permeance	$\leq 0.02 \text{ L} / \text{s} \cdot \text{m}^2$ at 75 Pa ($\leq 0.004 \text{ cfm} / \text{ft}^2$ at 1.57 psf)	Pass: $0.0024 \text{ L} / \text{s} \cdot \text{m}^2$ at 75 Pa ($0.0005 \text{ cfm} / \text{ft}^2$ at 1.57 psf)	ASTM E 2178

FIRE TESTING			
PROPERTY	CRITERIA	RESULTS	TEST METHOD
Surface Burning Characteristics	Criteria for ICC and NFPA Class A Building Material: Flame Spread ≤ 25 Smoke Developed ≤ 450	Meets Class A Building Material: Flame Spread: 5 Smoke Developed: 5	ASTM E 84
Fire Propagation Characteristics of Exterior Non-Load Bearing Wall Assemblies	Must resist flame propagation and flame spread	Pass	NFPA ¹ 285

¹ National Fire Protection Association



For specific inquiries regarding installation please contact MaxLife Industries Customer Service.

Company Address | 4995 South Main Street, Salisbury, North Carolina 28147
 Website Address | www.maxlifeindustries.com
 Toll Free Number | 1-844-MAX4YOU (1-844-629-4968)
 Customer Service Email | cs@maxlifeindustries.com

