

# DuPont™ ArmorSeal Plus Coating

## Air and Water-Resistive Coating

### FEATURES/BENEFITS

#### Description

**For Professional Use Only.** DuPont™ ArmorSeal Plus Coating is a single-component air and water-resistive barrier. **ArmorSeal Plus Coating** provides protection behind wall claddings such as brick, siding, metal panels, EIFS, and stucco.

Unique to the industry, the **ArmorSeal Plus Coating** adjusts its permeability from 1 to 10 US Perms based on the temperature and relative humidity in the region. We call this material behavior *smart permeance*.

**ArmorSeal Plus Coating** is included on all DuPont™ ArmorWall™ Plus and SP Plus FR SIS panels standard from the factory. When not factory-applied as part of the **DuPont™ ArmorWall™ System**, **ArmorSeal Plus Coating** is field-applied as part of the system to provide continuity to the air and water control layers. Utilizing the liquid-applied coating allows for field-applied touch-ups on panel faces, joints, and seams when used in conjunction with an approved mesh reinforcement product.

#### Available Sizes

- **ArmorSeal Plus Coating** is available in a 4.92 gal (18.62 L) bucket.

#### Product Benefits:

- **Reduced Costs** - Fast, versatile, and efficient, liquid-applied installation can reduce labor. The liquid application helps ensure proper lapping at joints. There is seamless integration into the **DuPont™ ArmorWall™ System** assembly allowing rapid quality control and inspection.
- **Durability** - No expected loss in effectiveness or performance when exposed to weather and jobsite conditions for up to 180 days. Additional exposure days may be approved with DuPont on-site inspection and approval.
- **Compatibility** - Compatible with most paints, sealants, and coatings. Low odor and non-toxic.
- **Smart Permeance** – The **ArmorSeal Plus Coating** has been scientifically engineered to properly diffuse vapor in a variety of weather conditions in properly designed assemblies. Using advanced manufacturing technology, the system increases vapor permeance as relative humidity rises and decreases in vapor permeance as relative humidity lowers. WUFI material database information is available upon request.

### PHYSICAL DATA

#### Typical Physical Data for DuPont™ ArmorSeal Plus Coating

Property	Value
Form	Batter-like, semi-gel liquid plum in color
Coverage	250 SF per bucket, 2 coats required
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	0.5" to 0.75" Nap Roller
Airless Spray Application	2,400 to 3,200 psi Pressure, no filter, 0.025" spray tip

## PROPERTIES

### Typical Performance Properties for DuPont™ ArmorSeal Plus Coating

Property	Test Method	Criteria	Results
Pull Adhesion	ASTM D4541	> 80 psi (551 kPa)	Pass
Blistering	ASTM D714	Visible blistering not allowed	No blisters
Resistance to Wind Driven Rain	ASTM D6904	Tested at 90 mph+	Pass
Water Penetration	ASTM E331	No visible water penetration at the sheathing joints as viewed from the back of the panel	Pass
Water Vapor Permeability	ASTM E96	Wet Cup Method B	<10 US perms
<b>Fire Testing</b>			
Fire Propagation Characteristics of Exterior Non-Load Bearing Wall Assemblies	NFPA <sup>1</sup> 285	Must resist flame propagation and flame spread and maintain required heat levels as part of an assembly	Pass <sup>2</sup>

<sup>1</sup> National Fire Protection Association

<sup>2</sup> As part of the DuPont™ ArmorWall™ System

## PRODUCT PREPARATION AND APPLICATION

Stir well prior to use. Product is formulated to proper consistency, do not thin. 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 0.5" to 0.75" nap roller, a 4" nylon/polyester brush, or an airless sprayer at 0.5 gallons per minute or greater with a 0.025" 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 the first coat is dried. Ensure no voids or holes are in the coating. 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.

### Warranty

Ten-year limited warranty may be applicable when used as a component in the DuPont™ ArmorWall™ System. Visit [www.ArmorWall.DuPont.com](http://www.ArmorWall.DuPont.com) or contact your DuPont representative for details.

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## HANDLING

**WARNING: For Professional Use Only** – Read and follow the entire Handling section and the Safety Data Sheets carefully before use. The information below is designed to protect the user and allow for safe use and handling of DuPont™ ArmorSeal Brand products. Follow all applicable federal, state, local and employer regulations.

### Storage and Handling

- **ArmorSeal Plus Coating** has a 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.
- Keep children away from bucket with even a small amount of liquid.

As with any construction site, follow basic safety practices. Follow all spray equipment instructions and warnings. Avoid contact with eyes. It is recommended that spray applicators and those working in the spray area wear eye protection such as safety glasses with side shields or goggles. Avoid prolonged contact with skin. Gloves are recommended for prolonged exposures. Ensure adequate ventilation during spray applications. Do not take internally. Avoid breathing in spray mist or vapors. Apply product and allow product to dry in adequate ventilation.

**CAUTION: KEEP OUT OF REACH OF CHILDREN.**

### Product Limitations

- Do **NOT** apply to non-MgO substrates without significant substrate preparation and consultation with the manufacturer.
- 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.
- Must be covered by cladding within 180 days. Open rainscreens with joints no greater than 1/4" are allowed for long term exposure.

### Regulatory Compliance

- South Coast Air Quality Management District (SCAQMD)
- California Air Resource Board (CARM SCM 2007)
  - Suggested Control Measure (CARB SCM 2007)



**For more information visit us at  
[armorwall.dupont.com](http://armorwall.dupont.com)  
or call 1-800-448-9835**

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