

# ARMORHIDE DF

## ARMORHIDE DF 4500

Product Code: WA-25210A

### Product Description

This fast dry white acrylic latex was specifically designed for adhesion to the joist, bridging, ducts and deck used in warehouses and retail stores. The dry fall qualities of this product cause the over spray to settle as a dry powder in approximately 10 feet of fall under conditions of moderate humidity and temperature. It is recommended for interior use in non-corrosive conditions.

### Product Specification:

|  |  |
|--|--|
| <b>Wt/Gal</b>                              | =11.22   |
| <b>VOC (calculated)</b>                    | 86.3 g/L; 0.72 lb/gal (as supplied)                            |
| <b>Volume Solids</b>                       | = 41.7+/- 2%   |
| <b>Weight Solids</b>                       | = 56.2+/- 2%   |
| <b>Viscosity</b>                           | 85 KU  |
| <b>Flash Point (Seta)</b>                  | none   |
| <b>Light Reflectance Value</b>             | = 83% +/- 2  |
| <b>Reduction</b>                           | = Water 5% Max   |
| <b>Recommended Spreading Rate Per Coat</b> |  |
| Wet Mils:                                  | 5-8  |
| Dry mils:                                  | 2-3.5  |
| Coverage:                                  | 335 sq ft/ gal at 2 mils theoretical<br>on smooth surfaces     |
| <b>Dry Time at 70 °F</b>                   | To Touch 30 minutes<br>To Recoat 1 hour<br>10 ft. at 50% RH    |
| <b>Dry Time @ 55F</b>                      | To Touch 45 minutes<br>To Recoat 2 hours<br>20 ft. at 50% RH   |
| <b>Cure Time</b>                           | 7 Days for full cure   |
| <b>Impact Resistance</b>                   | ASTM D2794 Cold Roll Steel 80 in-lb<br>direct 40 in-lb reverse |
| <b>Flexibility</b>                         | ATSM D522 Cold Roll Steel 180 deg<br>bend, 1/8 in. mandrel     |

### Application Conditions and Equipment.

|                          |   |                     |          |
|--------------------------|---|---------------------|----------|
| <b>Temperature</b>       | 50 °F minimum, 110 °F maximum<br>substrate temperature Air, surface, and material must be 5 °F<br>above dew point |                     |          |
| <b>Relative Humidity</b> | 75% Maximum   |                     |          |
| <b>Airless Spray</b>     |   | <b>Conventional</b> |          |
| <b>Spray</b>             |   |                     |          |
| Pressure                 | 2800 psi  | Gun                 | Binks 95 |
| Hose                     | ¼ in ID   | Fluid Nozzle        | 63C      |
| Tip                      | .017in-.019in   | Air Nozzle          | 63PB     |
| Filter                   | 60 mesh   | Air Pres.           | 60 psi   |
| Reduction                | not recommended   | Fluid Pres.         | 50 psi   |

Product can be purchased from:

**John L. Armitage & Company**

Gallatin, TN 37066

Phone: 1-800-223-1876

Fax: 1-615-452-4147

Email: DRYFALL@JLAPAIN.COM

### Surface Preparation

Surface must be clean, dry, and in sound condition. It must be free of dirt, oil, grease, dust, loose rust and other foreign material to ensure adhesion.

### Painted Deck, Painted Joist and Painted Bridging

ARMORHIDE DF 4500 has been tested for adhesion to all the major deck and joist manufacturers. The results have been excellent. However, it is recommended that adhesion be tested in the field prior to using. It is also recommended that all primers be completely dry before top coating.

### Galvanized Steel

Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1. Rusting and oxidized galvanize requires a minimum of hand tool cleaning per SSPC-SP2. It is recommended that these surfaces be primed within 8 hours. When surface has been treated with silicates and chromates, first solvent clean per SSPC-SP1 and apply a test patch. Test the adhesion after allowing the paint to dry for one week. If the adhesion is poor, it is necessary to remove these treatments using SSPC-SP7.

### Iron and Steel

Minimum surface preparation is hand tool clean per SSPC-SP2. Remove all loose rust per SSPC-SP2. Remove all oil and grease from surface by solvent cleaning per SSPC-SP1. Blast cleaning should be primed before flash rusting can occur.

### Masonry and Concrete

Refer SSPC-SP13. Remove all loose mortar and foreign material. Mortar and concrete must be cured at least 30 days at 75 °F. Surface must be free of dirt, dust, release agents, hardeners, laitance and silicone.

### Drywall

Must be clean, dust free and dry.

### Limitations

This product is not recommended for exterior exposures or high corrosion areas.