

ALSAN® COATING AC 401

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PRODUCT #
5 GAL L-AACW5
55 GAL L-AACW55

PRODUCT DATA SHEET

DESCRIPTION & FEATURES

ALSAN Coating AC 401 is a VOC compliant, high quality, single component, plasticizer-free, water-based, acrylic elastomeric roof coating and protective barrier for a variety of low slope roof surfaces and substrates. Upon cure, ALSAN Coating AC 401 forms a durable, reflective coating that is highly flexible and resistant to natural weathering with excellent adhesion. ALSAN Coating AC 401 may be applied as a reflective coating over most sound and dry single ply, asphaltic modified bitumen, BUR, and metal roofing systems.

STORAGE

Always store in sealed containers in cool, ventilated and dry locations away from direct sunlight, heat and oxidizing agents. Do not store in direct sunlight or temperatures below 55°F (12.8°C) or above 80°F (26.7°C). DO NOT ALLOW TO FREEZE.

APPLICATION

ALSAN Coating AC 401 can be applied up to 24 wet mils thick in one application using single component airless spray equipment, roller or brush. Surfaces to be coated must be dry, clean, and free from dust, dirt, oil, loose granules, or peeling materials, mildew and other foreign matter. Perform an adhesion test on each surface type to ensure adequate bond can be achieved, or if a primer or other specific surface preparation is required. Assure ambient and substrate temperatures remain 50°F (10°C) or above, and will not fall below 32°F (0°C) within 24-hours of application, to assure proper application and curing. Application is not recommended if rain or dew is likely to occur before product dries. Prior to application, refer to published specifications, guidelines and recommendations for complete application instructions. The applicator is responsible for ensuring conditions are appropriate to proceed with proper application methods.



APPLICATION



BRUSH



ROLLER



SPRAY

COOL ROOF RATING

| PRODUCT | SOLAR REFLECTANCE | | THERMAL EMITTANCE | | SRI | |
|----------------------|-------------------|-------------|-------------------|-------------|-------------|-----------|
| | 0.86 initial | 0.74 3 year | 0.89 initial | 0.88 3 year | 108 initial | 91 3 year |
| ALSAN Coating AC 401 | 0.86 initial | 0.74 3 year | 0.89 initial | 0.88 3 year | 108 initial | 91 3 year |

* CRRC Rapid Ratings. Refer to Cool Roof Ratings Council (CRRC).

QUICK FACTS

| QUANTITY GAL | | AMBIENT TEMP (°F) | SUBSTRATE TEMP (°F) | DRY TIME* (minutes) | NEXT COAT* (hours) | FULLY CURED* (days) |
|--------------|------------|--------------------|-----------------------|----------------------------|----------------------------|----------------------------|
| 5 (18.9 L) | 55 (208 L) | 50-95 (10 to 35°C) | 50-120 (10 to 48.9°C) | 90 at 75°F (24°C) @ 50% RH | >6 at 75°F (24°C) @ 50% RH | 30 at 75°F (24°C) @ 50% RH |

*NOTE: Cure times will be extended at elevated ambient humidity and lower temperatures. For spray applications resin temperature must be 65° F (18.3°C) minimum.

TECHNICAL INFORMATION & TESTING

| APPROXIMATE COVERAGE RATES | | | |
|--|---|-------------------------|-------------------------|
| SUBSTRATE PROFILE | MINIMUM TOTAL CONSUMPTION gal/100ft ² (l/m ²) | MINIMUM WFT mils(mm) | MINIMUM DFT mils(mm) |
| See specifications for specific recommendations & warranty | 1.0 (0.41) | 16 (0.41) | 8.8 (0.22) |
| | 1.5 (0.61) | 24 (0.61) | 13.2 (0.33) |

| PHYSICAL PROPERTIES | | |
|----------------------------|------------------|---------------|
| PROPERTY | | TEST METHOD |
| Solids, volume (%) | 55 +/- 3 | ASTM D1653 |
| Solids content, weight (%) | 68.4 +/- 3 | ASTM D1644 |
| Tensile strength, psi | 310 +/- 20 | ASTM D2370 |
| Elongation, % | 315 +/- 20 | ASTM D2370 |
| Permeability | 9 +/- 1 | ASTM D1653 |
| Hardness (Shore A) | 55-60 | ASTM D2240 |
| VOC, g/L | <50 | EPA Method 24 |
| Viscosity, CP | 10,000 | - |
| Density, lb/gal | 11.9 | - |
| Flashpoint | None | - |
| Standard color | White | - |
| Shelf life, months | 24 | - |
| Clean up | Warm Soapy Water | - |
| Fungi Resistance | Pass | ASTM G21 |

TESTING & APPROVALS

