

EPS[®] 7501

MODIFIED SOLUTION ACRYLIC RESIN

DATA SHEET

Description

EPS 7501 is a modified solution acrylic resin that can be easily formulated with a variety of economical solvents for concrete cure and seal applications. When properly formulated to 25% solids, EPS 7501 meets the requirements of ASTM C-1315, Type I, Class C.

- ✓ Low Viscosity
- ✓ Excellent Water Resistance
- ✓ Good wear properties
- ✓ Excellent low-pressure spray characteristics
- ✓ Excellent water retention properties

Specifications

| | |
|-----------------------|-------------|
| <i>Weight Solids:</i> | 55.0 ± 1.0% |
| <i>Weight/Gallon:</i> | 8.05 ± 0.1 |
| <i>Viscosity:</i> | W – Z |
| <i>Acid Value:</i> | N/A |
| <i>Color:</i> | 1 max |

Typical Properties

| | |
|-------------------------|--------------------|
| <i>Volume Solids:</i> | 49.4 ± 1.0% |
| <i>Visc. (Reduced):</i> | A1 – A2 @ 25% |
| <i>Solvent:</i> | Aromatic 100 (45%) |
| <i>OH Value:</i> | N/A |

Suggested Formulations

EPS 7501 CS1- C-1315 Cure and Seal Spray

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Questions? Call EPS Technical Service @ 1-800-601-8111

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SUGGESTED FORMULATION

FORMULA: EPS 7501 CS1 C-1315 CURE AND SEAL SPRAY FORMULA

| <u>Pounds</u> | <u>Gallons</u> | <u>Raw Material</u> | <u>Supplier</u> | <u>Instructions</u> |
|---------------|----------------|---------------------|-----------------|--------------------------|
| 338.0 | 42.00 | EPS 7501 | EPS | Add with good agitation. |
| 188.5 | 29.00 | Mineral Spirits | | |
| <u>210.3</u> | <u>29.00</u> | Aromatic 100 | | |
| 736.8 | 100.00 | Totals | | |

Formulation Parameters

| | |
|----------------------|---------|
| Weight Solids | 25.00% |
| Volume Solids | 20.75% |
| Pigment Weight | 0.00% |
| Pigment Volume Conc. | 0.00 |
| Pigment/Binder | 0.00 |
| VOC Level | 661 g/l |
| Weight/Gallon | 7.37 |

Typical Paint Properties

| | |
|--|-------------|
| Viscosity | A1 – A2 |
| Dry Through Time (78°F, 40% RH) | 92 minutes |
| Dry Through Time (40°F, 80% RH) | 205 minutes |
| Gloss: Initial 20°/60° | 102 / 101 |
| Gloss Retention: 150 hrs. QUV-B (% loss) | 8 / 0 |
| Yellowing: 300 hrs. QUV-B (dB) | 14.4 |
| Water Retention: ASTM C-1315 | Pass |
| Sward Rocker Hardness: ASTM D-2134 | 47 |
| Pencil Hardness: ASTM D-3363 | B |
| Taber Abrasion: ASTM D-4060 (g/100 cycles, CS 17/250) | 0.09 |

Chemical Resistance

7 Day ambient cure, 4 hour spot test
Ratings: 5 (no effect) to 1 (fail)

| | |
|----------------------------|---|
| Anti-Freeze (50:50 water): | 5 |
| Diesel Fuel: | 1 |
| Gasoline: | 1 |
| Vinegar: | 5 |
| Hydrochloric acid (10%): | 5 |
| Sulfuric acid (10%): | 5 |
| Sodium hydroxide (10%): | 5 |
| Paint thinner: | 3 |
| Bleach: | 5 |
| Power steering fluid: | 5 |
| Salt water (5%): | 5 |
| Ethanol (50%): | 5 |
| 409 cleaner: | 5 |
| Motor oil: | 5 |
| Hydraulic fluid: | 5 |
| Vegetable oil: | 5 |
| Brake fluid: | 1 |

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