

EPS[®] 2533

DATA SHEET

STYRENATED ACRYLIC EMULSION

Description

EPS 2533 is a styrenated acrylic emulsion offering outstanding ink and tannin blocking characteristics, adhesion, and early water resistance. EPS 2533 provides paint formulators a low VOC waterborne alternative to solvent-based primers and is ideal for use as a universal primer or low gloss topcoat on ferrous and non-ferrous metal, cementitious, wood and plastic substrates.

- ✓ Excellent tannin stain block
- ✓ Excellent water-based and solvent-based ink marker stain block
- ✓ Excellent corrosion resistance, even without the use of corrosion resistant pigments or additives.
- ✓ Excellent early water resistance and alkali resistance. Ideal for use on 'hot' cementitious substrates.
- ✓ Excellent adhesion to ferrous and non-ferrous metal substrates, glossy alkyds and chalky substrates.
- ✓ Excellent exterior durability – including grain crack resistance on weathered southern yellow pine and adhesion to chalky substrates.
- ✓ Non-APEO raw materials

Specifications

*Weight Solids**: 45.5 ± 0.7%
*Weight/Gallon**: 8.60 ± 0.10
pH: 7.0 - 8.0

Suggested Coalescing Solvent(s)

(% Solvent on Binder Solids – Pass 40°F LTC Test)

Texanol 5 – 6%
Texanol / EPS 9147 Blends 5 – 6 %

Typical Properties

Volume Solids: 43.7 ± 0.7%
MFFT: 9°C
Volatile(s): Water
Acid Value (on solids): 15

Suggested Formulations

EPS 2533 WHT1 - Universal Stain-Blocking Primer - White

05-08-2014

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

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SUGGESTED FORMULATION

FORMULA: EPS 2533 WHT1 (186-1, 03/03/09)

UNIVERSAL STAIN-BLOCKING PRIMER – WHITE

| <u>Pounds</u> | <u>Gallons</u> | <u>Raw Material</u> | <u>Supplier</u> | <u>Instructions</u> |
|---------------|----------------|---------------------|-----------------|-------------------------|
| 66.6 | 8.00 | Water | | Add with good agitation |
| 15.0 | 1.69 | Tamol 2001 | Dow | |
| 2.0 | 0.28 | Surfynol 104A | Air Products | |
| 1.0 | 0.13 | Drewplus L-475 | Ashland | |
| 4.0 | 0.51 | AMP 95 | Dow | |
| 150.0 | 4.38 | Ti-Pure R902 | DuPont | |
| 100.0 | 4.43 | Cal White | Imerys | |
| 15.0 | 0.32 | Zoco 103 | Zochem | Grind to 6 NS |
| 619.2 | 72.00 | EPS 2533 | EPS | Letdown |
| 2.0 | 0.26 | Drewplus L-475 | Ashland | Add with good agitation |
| 1.5 | 0.16 | Nuosept 498 | Ashland | |
| 14.1 | 1.61 | EPS 9147 | EPS | |
| 35.0 | 3.75 | Ethylene Glycol | | |
| 10.0 | 1.20 | Sodium Nitrite (4%) | | |
| 4.2 | 0.50 | Water | | |
| <u>8.0</u> | <u>0.81</u> | Optiflo L100 | BYK | |
| 1047.6 | 100.15 | Totals | | |

Formulation Parameters

| | | |
|----------------------|-------|---------|
| Weight Solids | 54.7 | % |
| Volume Solids | 43.5 | % |
| Weight / Gallon | 10.46 | # / gal |
| Pigment Volume Conc: | 22.49 | % |
| Pigment / Binder | 0.94 | : 1 |
| VOC | 100 | g / l |
| | 0.83 | # / gal |

Typical Paint Properties

| | |
|---------------------|-------------|
| Viscosity (Stormer) | 90 – 100 KU |
| pH | 9.0 – 10.0 |
| Color | White |

Suggested Application Methods

Brush, Roller, Airless Spray

02-24-2011

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