

EPS[®] 2843

DATA SHEET

STYRENATED ACRYLIC EMULSION

Description

EPS 2843 is a styrenated acrylic emulsion offering outstanding ink and tannin blocking characteristics, adhesion, and early water resistance. EPS 2843 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 and / or EPS9147 5 – 6%

Typical Properties

Volume Solids: 43.7 ± 0.7%

MFFT: 9°C

Volatile(s): Water

Acid Value (on solids): 15

Suggested Formulations

EPS 2843 WHT1 - Universal Stain-Blocking Primer - White

04-12-18

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

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SUGGESTED FORMULATION

FORMULA: EPS 2843 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	Evonik	
1.0	0.13	Drewplus L-475	Ashland	
4.0	0.51	AMP 95	Angus	
150.0	4.38	Ti-Pure R902	Chemours	
100.0	4.43	Cal White	Imerys	
15.0	0.32	Zoco 103	Zochem	Grind to 6 NS
619.2	72.00	EPS 2843	EPS	Letdown
2.0	0.26	Drewplus L-475	Ashland	Add with good agitation
1.5	0.16	Nuosept 498	Troy	
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

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