

## EPS<sup>®</sup> 2843

### Suggested Formulation

EPS<sup>®</sup> 2843 is a styrenated acrylic emulsion offering exceptional ink and tannin blocking characteristics, as well as excellent adhesion and early water resistance. EPS<sup>®</sup> 2843 provides paint formulators a 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.

### PROPERTIES

- Exceptional alkali resistance, ideal for use on "hot" cementitious substrates
- Exceptional tannin stain block
- Exceptional water-based and solvent-based ink marker stain block
- Exceptional exterior durability
- Excellent corrosion resistance even without the use of anticorrosive pigments or additives
- Excellent early water resistance
- Excellent adhesion to ferrous and non-ferrous metal substrates, glossy alkyds and chalky substrates
- Made without APEO surfactants

#### Specifications

Weight Solids	45.5 +/- 0.7%
Weight/Gallon	8.60 +/- 0.10
pH	7.0 - 8.0

#### Typical Properties

Volume Solids	43.7 +/- 0.7%
MFFT	9° C
Volatile(s)	Water

#### Suggested Coalescing Solvent(s)

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

Texanol / EPS 9147 or Blends	5 - 6%
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Questions? Call EPS Customer Service @ 1-800-654-4242 / Email: [info@eps-materials.com](mailto:info@eps-materials.com)

2/5/2021

**TECHNICAL SUPPORT:** These guidelines are offered to assist the paint formulator in achieving the high performance properties noted and are offered for illustration purposes only; the paint formulator bears sole responsibility for the performance of the final coating product.

**SDS:** For details on health, safety and handling information, Safety Data Sheets (SDS) are available at [www.epscsa.com](http://www.epscsa.com).

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## Suggested Formulation

### Formula: EPS 2843 WHT1 (186-1, 3/3/09) 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	Troy	
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	<b>EPS 2843</b>	<b>EPS</b>	Letdown
2.0	0.26	Drewplus L-475	Troy	Add with good agitation
1.5	0.16	Nuosept 498	Troy	
14.1	1.61	<b>EPS 9147</b>	<b>EPS</b>	
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	
<b>1047.6</b>	<b>100.15</b>	<b>Totals</b>		

#### 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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