

# EPS<sup>®</sup> 2513

## STYRENATED ACRYLIC EMULSION

# DATA SHEET

### Description

**EPS 2513** is a styrenated acrylic emulsion offering excellent corrosion resistance, adhesion and early water resistance. EPS 2513 provides paint formulators the capability to achieve these properties at less than 100 grams/liter VOC.

- ✓ Excellent corrosion resistance, even without the use of corrosion resistant pigments or additives
- ✓ High gloss development and good gloss retention.
- ✓ Excellent early water resistance, including water immersion.
- ✓ Excellent adhesion to ferrous and non-ferrous metal substrates

### Specifications

*Weight Solids:* 50.0 ± 0.7%  
*Weight/Gallon:* 8.60 ± 0.10  
*pH:* 8.0 – 9.0

### Suggested Coalescing Solvent(s)

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

DPnB, Texanol	10%
EB	20%

### Typical Properties

*Volume Solids:* 48.4 ± 0.7%  
*MFFT:* 23°C  
*Volatile(s):* Water  
*Acid Value (on solids):* 14

### Suggested Paint Formulations

EPS 2513 WHT ST-1 (High Gloss White Enamel)

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

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## SUGGESTED FORMULATION

FORMULA: EPS 2513 WHT ST-1 (13JUN2013)  
HIGH GLOSS WHITE ENAMEL

<u>Pounds</u>	<u>Gallons</u>	<u>Raw Material</u>	<u>Supplier</u>	<u>Instructions</u>
60.0	7.20	Water		Add in order with good agitation.
1.0	0.13	AMP-95	Dow	
8.0	0.88	Tamol 681	Dow	
4.0	0.46	Surfynol PSA-336	Air Products	
4.0	0.48	Airex 901W	Tego Chemie	
200.0	5.86	Ti-pure R-706	Du Pont	
3.0	0.33	Acrysol RM-2020	Dow	Disperse at high speed to 7+ Hegman.
520.0	60.47	<b>EPS 2513</b>	<b>EPS-Materials, Inc.</b>	Let down in order with good agitation.
4.0	0.44	Proxel AQ	Lonza	
140.5	16.87	Water		Add grind slowly at this point.
10.0	1.14	30% Halox 570 solution	Halox	Premix and add slowly with good agitation.
31.2	4.12	DPnB	Lyondell	
9.0	0.98	Acrysol RM-2020	Dow	Add slowly under agitation.
<u>6.0</u>	<u>0.66</u>	Acrysol RM-8W	Dow	Add to adjust viscosity.
<b>1000.7</b>	<b>100.00</b>	<b>Totals</b>		

### Formulation Parameters

Weight Solids	47.67	%
Volume Solids	36.85	%
Pigment Volume Conc.	16.67	%
VOC	100	g/l
	0.83	lb/gal

### Typical Paint Properties

Viscosity	80 - 90 KU
pH	8.0 - 9.0
20°/60° gloss (2.0-2.5 mils DFT)	54 / 91
Corrosion Resistance (ASTM B117)	240+ hours

### Suggested Application Methods

Spray, Brush

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