

EPS[®] 2550

ACRYLIC EMULSION

DATA SHEET

Description

EPS 2550 is a styrenated acrylic emulsion which can be used to formulate economical coatings offering excellent hardness, gloss, and chemical resistance. Coatings produced with EPS 2550 also exhibit good block resistance and excellent adhesion to plastics, ferrous and non-ferrous metals.

- ✓ Excellent hardness
- ✓ Excellent gloss development
- ✓ Excellent chemical resistance
- ✓ Excellent early water resistance
- ✓ Excellent adhesion to ferrous and non-ferrous metal substrates and plastics

Specifications

Weight Solids: 50.0 ± 0.7%
 Weight/Gallon: 8.65 ± 0.10
 pH 7.5 – 8.5

Suggested Coalescing Solvent(s)

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

EB	35 – 40%
DB	35 – 40%

Typical Properties

Volume Solids: 48.0 ± 0.7%
 MFFT: > 60°C
 Volatile(s): Water
 Acid Value (on solids): 39

Suggested Formulations

EPS 2550 WHT ST1 - High Gloss White Enamel (spray)

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

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EPS[®] 2550

SUGGESTED FORMULATION

FORMULA: EPS 2550 WHT ST1 (12/03/99)
HIGH GLOSS ENAMEL – WHITE

<u>Pounds</u>	<u>Gallons</u>	<u>Raw Material</u>	<u>Supplier</u>	<u>Instructions</u>
86.50	10.00	EPS 2550	EPS	Add with good agitation.
8.70	1.00	Disperse- Ayd W-33	Elementis	
4.00	0.55	Surfynol 104A	Air Products	
2.00	0.23	BYK 024	BYK	
2.00	0.27	Ammonium hydroxide		
193.20	5.54	RCL-535	SCM	Grind to 7+ NS.
432.50	50.00	EPS 2550	EPS	Add with good agitation.
77.90	10.37	EB	Lyondell	
25.90	3.26	DB	Lyondell	
13.00	1.39	Santicizer 160	Solutia	
10.00	1.20	Sodium nitrite 4%		
116.60	14.00	Water		Premix, add with good agitation.
1.50	0.20	Ammonium hydroxide		
<u>16.70</u>	<u>2.00</u>	Water		Adjust viscosity.
990.46	100.00	Totals		

Formulation Parameters

Weight Solids	47.70	%
Volume Solids	36.50	%
Weight / Gallon	9.90	lb/gal
Pigment Volume Conc.	16.01	%
Pigment / Binder	0.74	
VOC	252	g/l
	2.10	lb/gal

Typical Paint Properties

Viscosity (Stormer)	65 – 75 KU
pH	8.0 – 8.5
Color	White
60° Gloss	80+

Suggested Application Methods

Spray

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