

# EPS<sup>®</sup> 2574

# DATA SHEET

## ACRYLIC EMULSION

### Description

**EPS 2574** is a styrenated acrylic emulsion offering excellent hardness, block resistance and early water resistance. EPS 2574 provides paint formulators a low VOC waterborne alternative to solvent-based resins and is ideal for use on ferrous and non-ferrous metals, cementitious, wood and plastic substrates.

- ✓ Excellent hardness development
- ✓ Excellent block, print and stain resistance
- ✓ Very good corrosion resistance, even without the use of corrosion resistant pigments or additives
- ✓ Excellent early water resistance
- ✓ Excellent adhesion to ferrous and non-ferrous metal substrate
- ✓ Excellent gloss development and gloss retention

### Specifications

*Weight Solids:* 50.0 ± 0.7%  
*Weight/Gallon:* 8.70 ± 0.10  
*pH:* 8.0 – 9.0

### Suggested Coalescing Solvent(s)

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

DPnB	20 - 25%
EB	25 – 30%

### Typical Properties

*Volume Solids:* 47.8 ± 0.7%  
*MFFT:* 53°C  
*Volatile(s):* Water  
*Acid Value (on solids):* 23

### Suggested Paint Formulations

EPS 2574 WHT ST1 White High Gloss Enamel

05-08-2014

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

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## SUGGESTED FORMULATION

FORMULA: EPS 2574 WHT ST1 (4/09)

WHITE HIGH GLOSS ENAMEL

<u>Pounds</u>	<u>Gallons</u>	<u>Raw Material</u>	<u>Supplier</u>	<u>Instructions</u>
50.0	6.00	Water		Add in order with good agitation.
9.0	0.99	Tamol 681	Dow	
4.0	0.46	Surfynol PSA-336	Air Products	
4.0	0.48	Airex 901W	Tego	
1.0	0.13	AMP-95	Dow	
175.0	5.12	Ti-Pure R-706	Du Pont	Add with good agitation, and high speed to 7+ Hegman.
535.6	61.56	<b>EPS 2574</b>	<b>EPS</b>	Let down in order with good agitation.
2.0	0.22	Nuosept 498	Ashland	Add grind at this point.
114.7	13.77	Water		Premix before adding under agitation.
10.0	1.20	4% Sodium Nitrite solution		
66.9	8.75	DPnB	Lyondell	
<u>12.0</u>	<u>1.33</u>	Polyphobe TR-117	Dow	Add with good agitation.
<b>984.2</b>	<b>100.01</b>	<b>Totals</b>		

### Formulation Parameters

Weight Solids	46.79
Volume Solids	36.45
Pigment Volume Conc.	14.83%
Pigment/Binder	0.65
VOC Level	1.54 lb/gal
	185 g/l
Weight/Gallon	9.84 lb/gal

### Typical Properties

Viscosity (Stormer)	80-90 KU
pH	7.5 – 8.0
20°/60° Gloss (at 2.0-2.2 mils DFT)	56 / 83

### Suggested Application Methods

Spray, Brush, Roll

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