

EPS[®] 6603

LONG OIL ALKYD

DATA SHEET

Description

EPS 6603 is a long oil alkyd. EPS 6603 is designed to provide high gloss, excellent flow and leveling and durability. This balance of properties makes EPS 6603 an excellent choice for architectural enamels and structural steel primers.

- ✓ Excellent flow and leveling
- ✓ Excellent pigment wetting
- ✓ Fast dry
- ✓ Excellent adhesion

Specifications

<i>Weight Solids:</i>	70.0 ± 0.7%
<i>Weight/Gallon:</i>	8.00 ± 0.10
<i>Viscosity:</i>	Z ₂ – Z ₄
<i>Acid Value*:</i>	5 - 10
<i>Color:</i>	3 - 6

Typical Properties

<i>Volume Solids:</i>	63.2 ± 0.7%
<i>Oil Type:</i>	Soya
<i>Modifier:</i>	None
<i>Solvent Composition:</i>	LAMS/Xylene (27.8/2.2)
<i>OH Value:</i>	50 (theoretical)

*Acid value on solids

Suggested Drier Package

(% Metal on Resin Solids)

Cobalt	0.07
Calcium	0.07
Zirconium	0.40
Anti-Skin	0.80

Suggested Formulation

EPS 6603 WHT2 White High Gloss Enamel

05-09-2014

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

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EPS[®] 6603

SUGGESTED FORMULATION

FORMULA: EPS 6603 WHT2 (5/94)
WHITE HIGH GLOSS ENAMEL

<u>Pounds</u>	<u>Gallons</u>	<u>Raw Material</u>	<u>Suppliers</u>	<u>Instructions</u>
119.80	18.43	Mineral Spirits		Add and premix 5 minutes.
8.50	0.60	Bentone SD-1	Elementis	
174.20	21.78	EPS 6603	EPS	Add and disperse to 7+ grind.
2.00	0.23	Soya Lecithin	ADM	
3.80	0.51	6% Calcium Drier	OMG	
300.00	8.76	R-902 Titanium Dioxide	Du Pont	
46.30	7.13	Mineral Spirits		Reduce in order under agitation. Mix well.
314.40	39.30	EPS 6603	EPS	
3.00	0.34	12% Cobalt Drier	OMG	
5.80	0.63	18% Nuxtra LTD Drier	Condea Servo	
2.30	0.30	Skino #2	OMG	
13.00	2.00	Mineral Spirits		Adjust viscosity.
993.09	100.00	Totals		

Formulation Parameters

Weight Solids	66.7%
Volume Solids	49.1%
Pigment Weight	31.1%
Pigment Volume Conc.	19.0%
Pigment/Binder	0.87
VOC Level	3.31 lb/gal (396 g/l)
Theoretical Coverage	788 sq. ft/gal/ml

Typical Properties

Viscosity, #3 Zahn cup	29 seconds
Dry Film Thickness	2.0 mils
Dry Touch	35 minutes
Dry Tack Free	2 hours
Dry Hard	2½ – 3 hours
Gloss - 60°	94

Suggested Application Methods

Brush, Roll, Spray

rev.02-23-2011

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