

EPS[®] 6264

WATER-REDUCIBLE ALKYD

DATA SHEET

Description

EPS 6264 is a short oil, chain stopped, water reducible alkyd designed to provide fast dry, high gloss, corrosion and water resistance. This balance of properties makes EPS 6264 an excellent choice for both Industrial primers and topcoats. EPS 6264 must be neutralized with amine before the addition of water, and additional co-solvent is recommended for best solubility and long-term package stability. EPS 6264 can also be crosslinked with melamine for use in baking finishes, or be used as an air-dry vehicle.

Specifications

<i>Weight Solids:</i>	70.0 ± 0.7%
<i>Weight/Gallon:</i>	8.80 ± 0.10
<i>Viscosity:</i>	Z ₄ – Z ₇
<i>Acid Value*:</i>	33-38
<i>Color:</i>	8 max

Suggested Drier Package

(% Metal on Resin Solids)

Cobalt	0.10
Manganese	0.10
Activ-8	1.00 (as supplied)

Typical Properties

<i>Volume Solids:</i>	64.9 ± 0.7%
<i>Oil Type:</i>	TOFA
<i>Solvent:</i>	Glycol Ether EB (30%)
<i>OH Value:</i>	70 (calculated)

*Acid value on solids

Suggested Formulations

EPS 6264 BLK1 - Black High Gloss Enamel
EPS 6264 WH1 - 6264 / 2510 High Gloss White

05-09-2014

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

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EPS[®] 6264

SUGGESTED FORMULATION

FORMULA: EPS 6264 BLK1 (2/05)

BLACK HIGH GLOSS ENAMEL

<u>Pounds</u>	<u>Gallons</u>	<u>Raw Material</u>	<u>Supplier</u>	<u>Instructions</u>
300.0	34.09	EPS 6264	EPS	Add in order with agitation.
40.0	3.94	Novocolor IP 8593 Black	EPS	
10.0	1.34	Ammonium Hydroxide		
3.0	0.39	Drewplus L-475	Ashland	
15.1	2.25	<i>Secondary Butanol</i>		Premix and add with good agitation.
4.2	0.55	Cobalt HydroCure II	OMG	
2.3	0.27	Manganese HydroCure III	OMG	
2.1	0.27	Activ-8	Vanderbilt	
474.0	56.90	Water		
850.7	100.00	Totals		

Formulation Parameters

Weight Solids	27.77%
Volume Solids	24.36%
Pigment Volume Conc.	4.46%
Pigment/Binder	0.07
VOC Level	2.79 lbs/gal
	335 g/l
<i>Density</i>	8.51 lbs/gal

Typical Paint Properties

Viscosity	80-90 KU
Gloss (@ 1-1.2 mils DFT)	90°+

Suggested Application Methods

Spray

rev 02-22-2011

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EPS[®] 6264

SUGGESTED FORMULATION

FORMULA: EPS 6264 WHT1 (3/17/11)
6264 / 2510 HIGH GLOSS WHITE

<u>Pounds</u>	<u>Gallons</u>	<u>Raw Material</u>	<u>Supplier</u>	<u>Instructions</u>
75.0	8.52	EPS 6264	EPS	Add in order with good agitation.
5.0	0.57	Disperbyk 190	BYK	
3.0	0.39	Drewplus L-475	Ashland	
20.0	2.66	Butyl Cellosolve	Eastman	
175.0	5.12	Ti-Pure R-706	Du Pont	Add with good agitation, and high speed to 7+ Hegman.
4.0	0.48	BYK 348	BYK	Let down in order with good agitation.
4.0	0.54	Ammonium Hydroxide		
220.0	26.41	Water		Add slowly under high agitation.
10.0	1.20	4% Sodium Nitrite solution		
465.0	53.45	EPS 2510	EPS	Add with good agitation
4.0	0.45	Rheolate 1	Elementis	
<u>2.0</u>	<u>0.23</u>	Acrysol RM-825	Dow	
987.0	100.03	Totals		

Formulation Parameters

Weight Solids	45.16%
Volume Solids	34.34%
Pigment Volume Conc.	15.36%
Pigment/Binder	0.67
VOC Level	1.14 lb/gal 137 g/l
Weight/Gallon	9.87 lbs/gal
Alkyd/Acrylic Ratio	20/80

Typical Properties

Viscosity (Stormer)	65-75 KU
pH	8.0-8.5

Suggested Application Methods

Spray, Brush, Roll

rev.3-17-11

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