

EPS 4216

DATA SHEET

OXIDIZABLE POLYURETHANE DISPERSION

Description

EPS 4216 is an oxidizable polyurethane dispersion designed to provide fast dry, good finished hardness, and water / humidity resistance. Coatings using **EPS 4216** exhibit excellent adhesion to a variety of substrates, including wood, ferrous and non-ferrous metals, and various plastics.

Specifications

Weight Solids: 33.0 ± 0.7%
Weight/Gallon: 8.60 ± 0.10
pH: 7.7 - 8.7

Suggested Drier Package

Borchi Oxy-Coat 0.75%
(as supplied, on resin solids)

Typical Properties

Volume Solids: 29.6 ± 0.7%
Volatiles: Water: 58.78%
DMM: 6.74%
Triethylamine 1.46%

Suggested Formulations

EPS 4216 GLOSS1 (High Gloss Clear Wood Finish)
EPS 4216 SATIN1 (Satin Clear Wood Finish)

05-09-2014

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

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EPS[®] 4216

SUGGESTED FORMULATION

FORMULA: EPS 4216 GLOSS1 (13JUN2013)
 HIGH GLOSS CLEAR WOOD FINISH

<u>Pounds</u>	<u>Gallons</u>	<u>Raw Material</u>	<u>Supplier</u>	<u>Instructions</u>
768.0	89.30	EPS 4216	EPS, Inc.	Add in order with good Agitation.
1.9	0.22	Borchi Oxy-Coat	OMG	
81.6	9.80	Water		
4.0	0.46	Surfynol PSA-336	Air Products	
1.0	0.12	Propylene Glycol		Premix and add to adjust viscosity.
<u>1.0</u>	<u>0.11</u>	DSX 1550	Cognis	
857.5	100.00	Totals		

Formulation Parameters

Weight Solids	29.95	%
Volume Solids	26.80	%
VOC	213	g / l
	1.77	# / gal

Typical Paint Properties

Viscosity (#2 Signature Zahn)	18 - 20 seconds
pH	8.0 - 8.5

Suggested Application Methods

Brush, Wipe

06-13-13

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EPS[®] 4216

SUGGESTED FORMULATION

FORMULA: EPS 4216 SATIN1 (23JULY2013)
CLEAR SATIN WOOD FINISH

<u>Pounds</u>	<u>Gallons</u>	<u>Raw Material</u>	<u>Supplier</u>	<u>Instructions</u>
768.0	89.30	EPS 4216	EPS, Inc.	Add in order with good Agitation.
1.9	0.22	Borchi Oxy-Coat	OMG	
23.1	2.77	Water		
5.0	0.57	Surfynol PSA-336	Air Products	
1.5	0.17	BYK 028	BYK	
12.0	1.39	Propylene Glycol		Premix next three items under Slow agitation before adding to Batch.
40.0	4.80	Water		
10.0	0.55	Sylisia 350	Fuji	
1.0	0.12	Propylene Glycol		Premix and add to adjust viscosity.
<u>1.0</u>	<u>0.11</u>	DSX 1550	Cognis	
863.5	100.00	Totals		

Formulation Parameters

Weight Solids	31.15	%
Volume Solids	27.60	%
VOC	238	g / l
	1.98	# / gal

Typical Paint Properties

Viscosity (#2 Signature Zahn)	18 - 20 seconds
pH	8.0 - 8.5

Suggested Application Methods

Brush, Wipe

07-23-13

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