

EPS[®] 2430

Suggested Formulation

EPS[®] 2430 is a self-crosslinking all-acrylic dispersion used as a binder for high quality wood coatings.

PROPERTIES

- In-can transparency
- Excellent chemical resistance
- Exceptional transparency and wood wetting (grain accentuation)
- Excellent mechanical properties
- Nitrocellulose-like appearance
- Good block resistance and hardness development
- Good hardness/flexibility ratio
- APE-free *

Specifications

Weight Solids	40.0 +/- 1.5%
Viscosity, 23 °C [mPa·s]	< 500
pH	8.0 - 9.0

Typical Properties

Volume Solids	37.1 +/- 0.7%
Weight/Gallon	8.80 +/- 0.10 lbs.
MFFT	+ 34°C
Volatile(s)	Water, ammonia

* Made without APE-containing surfactants

Questions? Call EPS Customer Service @ 1-800-654-4242 / Email: info@eps-materials.com

7/8/2020

TECHNICAL SUPPORT: These guidelines are offered to assist the paint formulator in achieving the high performance properties noted and are offered for illustration purposes only; the paint formulator bears sole responsibility for the performance of the final coating product.

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Suggested Formulation

Formula: WD-2 Self-Sealer, Interior Wood

Pounds	Gallons	Raw Material	Supplier	Instructions
605.71	68.83	EPS 2430	EPS	Add in order with good agitation
25.96	3.46	EB (Butyl Cellosolve)	Dow	
6.92	0.91	DPnB (Butyl Dipropasol)	Lyondell	
86.53	10.39	Water	-	
40.70	4.89	Water	-	Pre-mix the following and add to letdown
5.19	0.69	EB (Butyl Cellosolve)	Dow	
0.52	0.06	Disperbyk 190	BYK	
0.31	0.04	Foamex 810	Evonik	
5.19	0.28	Acematt TS 100	Evonik	
8.65	1.05	Aquacer 539 Wax	BYK	
8.65	0.94	Zinc Stearate	-	
0.43	0.05	Foamex 810	Evonik	Pre-mix the following and add to letdown
3.89	0.42	Ethylene Glycol	-	
6.06	0.73	Foamex 822	Evonik	
2.60	0.30	TEGO Wet KL 245	Evonik	
1.73	0.23	Ammonium Hydroxide	-	
0.87	0.10	Mergal K12N	Troy	
46.73	5.61	Water	-	
1.30	0.16	Water	-	Pre-mix the following and add to letdown
1.30	0.17	EB (Butyl Cellosolve)	Dow	Adjust to desired viscosity
6.06	0.70	Rheolate 288	Elementis	
865.30	100.00	TOTALS		

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Formulation Parameters

Weight Solids	30.7 %
Volume Solids	27.9 %
Pigment Volume Conc.	4.6
Calculated VOC Level	173 g/L
Weight/Gallon	8.7 lbs

Typical Properties

Viscosity (Ford Cup 4)	50-60 (s)
pH	8.0-8.5

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