

# EPS<sup>®</sup> 2430

## Suggested Formulation

EPS<sup>®</sup> 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](mailto: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.

**SDS:** For details on health, safety and handling information, Safety Data Sheets (SDS) are available at [www.epscsa.com](http://www.epscsa.com).

The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. EPS assumes no obligation or liability for use of this information. UNLESS EPS AGREES OTHERWISE IN WRITING, EPS MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR FREEDOM FROM PATENT INFRINGEMENT. EPS WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option. Unless otherwise agreed in writing, all sales of EPS products are governed by the EPS Terms and Conditions of Sale, available at <https://www.epscsa.com/galleries/pdfs/salesterms.pdf>.

## Suggested Formulation

### Formula: WD-1 Clear Interior Wood Topcoat

Pounds	Gallons	Raw Material	Supplier	Instructions
694.48	78.92	<b>EPS 2430</b>	<b>EPS</b>	Add in order with good agitation
28.65	3.81	EB (Butyl Cellosolve)	Dow	
10.42	1.37	DPnB (Butyl Dipropasol)	Lyondell	
63.37	7.61	Water	-	
34.03	4.09	Water	-	Pre-mix the following and add to letdown
4.34	0.58	EB (Butyl Cellosolve)	Dow	
0.43	0.05	Disperbyk 190	BYK	
0.26	0.03	Foamex 810	Evonik	
4.34	0.24	Acematt TS 100	Evonik	
8.68	1.05	Aquacer 539 Wax	BYK	
0.26	0.03	Foamex 810	Evonik	Pre-mix the following and add to letdown
2.34	0.25	Ethylene Glycol	-	
5.21	0.63	Foamex 822	Evonik	
2.60	0.31	TEGO Glide 492	Evonik	
0.87	0.12	Ammonium Hydroxide	-	
0.87	0.10	Mergal K12N	Troy	
1.04	0.13	Water	-	Pre-mix the following and add to letdown
1.04	0.14	EB (Butyl Cellosolve)	Dow	Adjust to desired viscosity
4.86	0.56	Rheolate 288	Elementis	
<b>868.10</b>	<b>100.00</b>	<b>TOTALS</b>		

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

**SDS:** For details on health, safety and handling information, Safety Data Sheets (SDS) are available at [www.epscca.com](http://www.epscca.com).

The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. EPS assumes no obligation or liability for use of this information. UNLESS EPS AGREES OTHERWISE IN WRITING, EPS MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR FREEDOM FROM PATENT INFRINGEMENT. EPS WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option. Unless otherwise agreed in writing, all sales of EPS products are governed by the EPS Terms and Conditions of Sale, available at <https://www.epscca.com/galleries/pdfs/salesterms.pdf>.

### Formulation Parameters

<b>Weight Solids</b>	33.4 %
<b>Volume Solids</b>	30.4 %
<b>Pigment Volume Conc.</b>	0.80
<b>Calculated VOC Level</b>	167 g/L
<b>Weight/Gallon</b>	8.7 lbs

### Typical Properties

<b>pH</b>	7.5-8.5
-----------	---------

---

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

**SDS:** For details on health, safety and handling information, Safety Data Sheets (SDS) are available at [www.epscca.com](http://www.epscca.com).

The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. EPS assumes no obligation or liability for use of this information. UNLESS EPS AGREES OTHERWISE IN WRITING, EPS MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR FREEDOM FROM PATENT INFRINGEMENT. EPS WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option. Unless otherwise agreed in writing, all sales of EPS products are governed by the EPS Terms and Conditions of Sale, available at <https://www.epscca.com/galleries/pdfs/salesterms.pdf>.