

# EPS® 2452

## Suggested Formulation

EPS® 2452 is used as the principal vehicle for white pigmented high-performance furniture and wood finishes where IKEA R2 (coffee and ethanol resistance) performance is necessary.

### PROPERTIES

- Capable of meeting IKEA R2 specifications (coffee and ethanol resistance)
- High block resistance
- Good hardness development
- <150g/L VOC capable
- APE-free \*

#### Specifications

Weight Solids	45.0 +/- 1.0%
Viscosity, 23 °C [mPa·s]	< 250
pH	7.0 - 8.0

#### Typical Properties

Volume Solids	42.3 +/- 0.7%
Weight/Gallon	8.80 +/- 0.10 lbs.
MFFT	+ 30°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)

10/16/2020

**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).

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## Suggested Formulation

### Formula: WD 8.1 Interior Pigmented Topcoat

Pounds	Gallons	Raw Material	Supplier	Instructions
41.27	4.95	Water	-	Add in order with good agitation
6.19	0.70	Disperbyk 190	BYK	
2.46	0.28	BYK 028	BYK	
154.78	4.65	CR-828	Tronox	Disperse to desired fineness
589.62	67.00	<b>EPS 2452</b>	<b>EPS</b>	
9.83	0.54	Acematt TS 100	Evonik	
1.97	0.22	Surfynol PSA 336	Evonik	
19.95	2.42	Aquacer 539	BYK	
2.46	0.28	BYK 024	BYK	
26.53	3.53	EB (Butyl Cellosolve)	Dow	Pre-mix the following and add to letdown
26.53	3.35	DB (Butyl Carbitol)	Dow	
92.57	11.11	Water	-	
0.98	0.13	Ammonium Hydroxide	-	
1.08	0.11	Mergal K12N	Troy	
3.24	0.35	Acrysol RM-2020NPR	Dow	Adjust to desired viscosity
3.24	0.35	Acrysol RM-8W	Dow	Adjust to desired viscosity
982.70	100.00	<b>TOTALS</b>		

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## Formulation Parameters

<b>Weight Solids</b>	45.5%
<b>Volume Solids</b>	35.5%
<b>Pigment Volume Conc.</b>	15.5
<b>Calculated VOC Level</b>	150 g/L
<b>Weight/Gallon</b>	9.8

## Typical Properties

<b>Viscosity (Ford Cup 6)</b>	55-65 (s)
<b>pH</b>	8.0-9.0
<b>Color</b>	White

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