

# EPS<sup>®</sup> 2799

## Suggested Formulation

### Description

EPS<sup>®</sup> 2799 is a self-crosslinking all-acrylic film-forming polymer that is an exceptional choice for high performance gloss interior and exterior architectural DIY or professional paints. EPS<sup>®</sup> 2799 is a versatile polymer recommended for use in semi-gloss to high gloss enamels that require exceptional hardness and tack resistance in both white/pastel bases and fully tinted clear/neutral bases. Ideal for institutional, commercial, or other high traffic areas wall coatings.

- Exceptional exterior durability
- Exceptional dirt pickup resistance (DPUR)
- Exceptional fast hardness development
- Exceptional early hot block resistance
- Exceptional print resistance
- Low tack, even in near zero VOC formulations.
- Exceptional gloss retention in both accelerated QUV-A (ASTM G154) and natural exposure testing
- Exceptional scrub resistance (ASTM D2486)
- Exceptional washability
- Exceptional alcohol and household cleaner resistance
- Near zero VOC paints can be formulated using the EPS<sup>®</sup> 9147 coalescent

### Specifications

Weight Solids	48.0 +/- 0.7%
Weight/Gallon	8.85 +/- 0.1
pH	8.5 – 9.0

### Typical Properties

Volume Solids	45.0 +/- 0.7%
MFFT	21° C

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

6/10/2021

**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: EPS 2799 Gloss White/Pastel Slurry TiO<sub>2</sub> Base Very Low VOC, Interior/Exterior

Pounds	Gallons	Raw Material	Supplier	Instructions
572.0	65.00	<b>EPS 2799</b>	<b>EPS</b>	
326.8	17.07	Ti-Pure R-746	Chemours	
1.0	0.11	Tergitol 15-S-9	Dow	
1.5	0.16	Nuosept 498	Ashland	
29.0	3.31	<b>EPS 9147</b>	<b>EPS</b>	Mix 10 minutes
1.0	0.13	Ammonium Hydroxide		
2.0	0.23	BYK 024	BYK	
5.0	0.57	Tamol 165A	Dow	
100.0	12.00	Water		
10.0	1.09	Optiflo T1000	BYK	Mix 10 minutes
3.0	0.33	Optiflo TVS VF	BYK	Mix 15 minutes
<b>1051.3</b>	<b>100.00</b>	<b>Totals</b>		

#### Formulation Properties

<b>Weight Solids</b>	53.2%
<b>Volume Solids</b>	40.6%
<b>Pigment Weight</b>	23.8%
<b>Pigment Volume Conc.</b>	20.0%
<b>Pigment/Binder</b>	0.91
<b>VOC Level</b>	<5 g/L
<b>Weight/Gallon</b>	10.51 lb/gal

#### Typical Properties

<b>Viscosity</b>	90 – 95 KU
<b>pH</b>	8.5 – 9.5
<b>Color</b>	White
<b>Gloss at 60°</b>	>75
<b>Gloss at 20°</b>	>40

#### White/Pastel Base Formulation Guidelines

Coalescent – Low-VOC coalescent preferred (EPS 9147) for optimum gloss development

Pigment – Ti-Pure R-746 preferred, Kronos 4311 and Tiona 596 can also be used

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