

EPS[®] 2799

Suggested Formulation

Description

EPS[®] 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[®] 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[®] 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

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.epsc.ca.com.

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Suggested Formulation

Formula: EPS 2799 Gloss White/Pastel Dry TiO₂ Base Very Low VOC, Interior/Exterior

Pounds	Gallons	Raw Material	Supplier	Instructions
75.0	9.00	Water		
12.0	1.36	Disperbyk 190	BYK	
2.0	0.23	Tergitol 15-S-9	Dow	
1.0	0.12	Byk 022	BYK	
1.5	0.16	Nuosept 498	Ashland	
225.0	6.59	Ti-Pure R-706	Chemours	Disperse under high shear
10.0	1.09	Acrysol RM-2020NPR	Dow	
589.6	67.00	EPS 2799	EPS	Add dispersion under agitation
86.0	10.32	Water		
25.6	2.90	EPS 9147	EPS	Mix 10 minutes
1.0	0.12	Ammonium Hydroxide		
1.0	0.12	Byk 024	BYK	
8.0	0.87	Acrysol RM-2020NPR	Dow	Mix 10 minutes
1.0	0.11	Acrysol RM-8W	Dow	Mix 15 minutes
1038.7	100.00	Totals		

Formulation Properties

Weight Solids	52.6%
Volume Solids	41.0%
Pigment Weight	21.7%
Pigment Volume Conc.	17.9%
Pigment/Binder	0.80
VOC Level	<5 g/L
Weight/Gallon	10.39 lb/gal

Typical Properties

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

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