

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.epscca.com.

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Suggested Formulation

Formula: EPS 2799 Gloss Ultra-Deep Base Low VOC, Interior/Exterior

Pounds	Gallons	Raw Material	Supplier	Instructions
125.0	15.00	Water		Add in order, mix thoroughly
554.4	63.00	EPS 2799	EPS	
2.0	0.23	BYK 1611	BYK	
1.5	0.16	Nuosept 498	Ashland	
8.8	1.21	Surfynol 104A	Air Products	
8.0	0.91	EPS 9147	EPS	Mix 10 minutes
1.0	0.13	Ammonium Hydroxide		
2.0	0.23	BYK 1611	BYK	
129.4	15.53	Water		
25.0	2.73	Optiflo T1000	BYK	Mix 10 minutes
8.0	0.87	Optiflo TVS VF	BYK	Mix 15 minutes
865.1	100.00	Totals		

Formulation Properties

Weight Solids	33.4%
Volume Solids	30.9%
Pigment Weight	0%
Pigment Volume Conc.	0%
VOC Level	17 g/L
Weight/Gallon	8.65 lb/gal

Typical Properties

Viscosity	100 – 110 KU
pH	8.5 – 9.5
Color	Clear

Ultra-Deep Base Formulation Guidelines=

Neutralization – Ammonia or AMP 95 preferred

Additives – Aquacer 539 for improved block performance (0.5-2% on total formulation)

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