

EPS[®] 2786

Suggested Formulation

EPS[®] 2786 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[®] 2786 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-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. EPS[®] 2786 is formulated without the use of intentionally added fluorosurfactants.

PROPERTIES

Exceptional performance

- Exterior durability
- Gloss retention in both accelerated QUV-A (ASTM G154) and natural exposure testing
- Dirt pickup resistance (DPUR)
- Same day hot block resistance
- Alcohol and household cleaner resistance
- Washability and scrub resistance
- Low tack, even in near-zero VOC formulations.
- 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

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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.epscqa.com.

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Suggested Formulation

Formula: EPS 2786 Gloss White/Pastel 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 2786	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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