

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 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

7/26/2022

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 2786 Gloss Ultra-Deep Base Low VOC, Interior/Exterior

Pounds	Gallons	Raw Material	Supplier	Instructions
121.7	14.61	Water		Add in order, mix thoroughly
549.9	62.35	EPS 2786	EPS	
2.0	0.23	BYK 024	BYK	
1.5	0.16	Nuosept 498	Ashland	
2.0	0.24	Tergitol 15-S-9	Dow	
13.31	1.52	EPS 9147	EPS	Mix 10 minutes
1.0	0.13	Ammonium Hydroxide		
1.0	0.11	BYK 028	BYK	
129.2	15.51	Water		
26.0	2.99	Acrysol RM-3000	BYK	Mix 10 minutes
10.0	1.09	Acrysol RM-8W	BYK	Mix 15 minutes
867.6	100.00	Totals		

Formulation Properties

Weight Solids	34.1%
Volume Solids	31.4%
Pigment Weight	0%
Pigment Volume Conc.	0%
VOC Level	<5 g/L
Weight/Gallon	8.68 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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