

EPS® 2741

Technical Data Sheet

Polymer for High Performance Interior/Exterior Coatings

BENEFITS

- Scrub resistance
- Stain removal
- Resistance to household chemicals / cleaners
- Self-Priming properties
- APEO-Free, film-forming polymer
- Exterior Durability
- Low coalescent demand

END USES

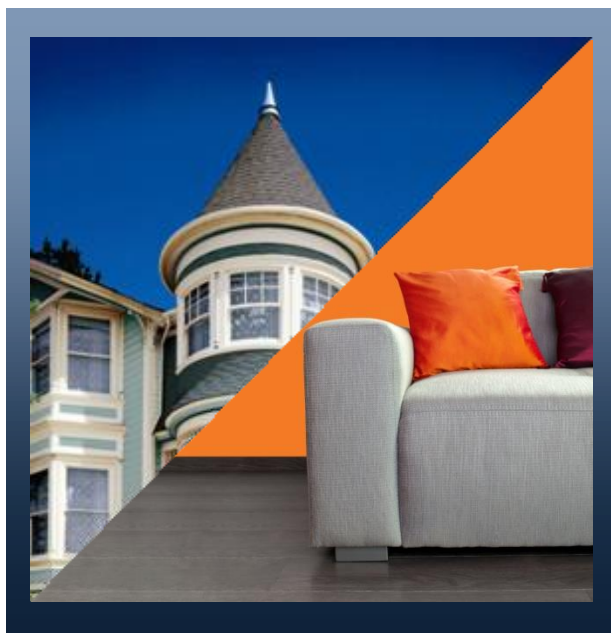
Flat through semi-gloss interior/exterior coatings for architectural DIY and/or professional paint formulas

MARKET SEGMENTS

Architectural

CHEMISTRY

100% Acrylic Film-Forming Polymer



EPS 2741 is a 100% acrylic film-forming polymer that is an excellent choice for high performance flat through semi-gloss interior and exterior architectural coatings. EPS 2741 is a versatile polymer offering excellent performance when formulated into Architectural DIY and / or Professional paint formulations.

Specifications

Weight Solids	50.0 +/- 0.7%
Weight/Gallon	8.8 +/- 0.1
pH	8.5 - 9.0

Typical Properties

Volume Solids	47.2 +/- 0.7%
MFFT	10° C
Volatile(s)	Water

Suggested Coalescing Solvent(s)

(% Solvent on Binder Solids – Pass 40° F LTC Test)

Texanol or EPS 9147	4% max
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- Excellent balance of properties for use in flat through semi-gloss architectural coatings.

Performance properties include:

- Scrub resistance over a wide formulation space (ASTM D2486, MPI #53 and #141)
- Stain removal and washability (ASTM D4828)
- Resistance to household chemicals / cleaners (ASTM D1308)
- Self-Priming properties: Tannin stain and water-soluble marker stain-blocking
- APEO-Free, 100% acrylic film-forming polymer
- Excellent exterior durability including resistance to dirt pickup
- Low coalescent demand. Near-zero VOC paints can be formulated using EPS 9147 coalescent.

EPS® 2741

TECHNICAL SUPPORT

The following guidelines are offered to assist the paint formulator in achieving the high performance properties offered by EPS 2741

MSDS

For details on health, safety and handling information, Material Safety Data Sheets (MSDS) are available at www.epscca.com.

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Technical Service: 1-800-601-8111

Suggested Formulation

Formula: EPS 2741 SG1 (261-70)				
Interior/Exterior Semi-Gloss White/Pastel Base				
Gallons	Pounds	Raw Material	Supplier	Instructions
2.00	16.7	Water		
0.68	6.0	Tamol 165A	Dow	
0.28	2.0	Surfynol 104A	Air Products	
0.33	3.0	Nuosept 498	Ashland	
0.22	2.0	BYK 028	BYK	
0.46	10.0	Minex 10	Unimin	
0.15	3.0	Attagel 50	BASF	Disperse
61.00	536.8	EPS 2741	EPS	
17.00	336.6	Kronos 4311	Kronos	Add Dispersion under Agitation
1.26	11.0	EPS 9147	EPS	
13.0	108.3	Water		
0.11	1.0	BYK 028	BYK	Mix 5 minutes
0.10	0.75	Ammonium Hydroxide		Mix 5 minutes
1.20	10.0	Sodium Nitrite 4%		
2.20	19.0	Optiflo L100	BYK	
0.11	1.0	Acrysol RM-8W	Dow	Mix 10 minutes
100.11	1067.1	Totals		Mix 15 minutes

*For exterior formulations, Polyphase 663 from Troy has been found to give a broad range of protection from mildew, fungus and algae and does not contribute to the VOC.

Formulation Properties	
Weight Solids	52.5%
Volume Solids	39.3%
Pigment Weight	25.4%
Pigment Volume Conc.	22.3%
VOC Level	<5 g/L
Weight/Gallon	10.66 lb/gal

Typical Properties	
Viscosity	90 – 95 KU
pH	9.0 – 9.5
Color	White
Gloss at 60°	50 – 60
Gloss at 20°	10 – 20

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Suggested Formulation

Formula: EPS 2741 FLT1 (261-71) Interior/Exterior Flat White/Pastel Base				
Gallons	Pounds	Raw Material	Supplier	Instructions
9.00	75.0	Water		
0.68	6.0	Tamol 165A	Dow	
0.23	2.0	Surfynol 104A	Air Products	
0.26	2.0	Drewplus L-475	Ashland	
0.33	3.0	Nuosept 498	Ashland	
16.50	326.7	Kronos 4311	Kronos	
5.29	115.0	Minex 4	Unimin	
3.13	60.0	Diafil 525	Imerys	
0.15	3.0	Attagel 50	BASF	Disperse
61.00	536.8	EPS 2741	EPS	Add Dispersion under Agitation
0.13	1.0	Ammonium Hydroxide		
1.26	11.0	EPS 9147	EPS	Mix 5 minutes
0.13	1.0	Drewplus L-475	Ashland	
1.20	10.0	Sodium Nitrite 4%		
1.16	10.0	Optiflo L100	BYK	Mix 10 minutes
0.11	1.0	Acrysol RM-8W	Dow	Mix 15 minutes
100.08	1168.6	Totals		

*For exterior formulations, Polyphase 663 from Troy has been found to give a broad range of protection from mildew, fungus and algae and does not contribute to the VOC.

Formulation Properties	
Weight Solids	61.5%
Volume Solids	46.6%
Pigment Weight	36.9%
Pigment Volume Conc.	35.7%
VOC Level	<5 g/L
Weight/Gallon	11.58 lb/gal

Typical Properties	
Viscosity	90 – 95 KU
pH	9.0 – 9.5
Color	White
Gloss at 60°	3 – 5
Gloss at 85°	3 – 5