EPS® 2720

Technical Data Sheet

Polymer for High Performance Gloss Interior/Exterior Coatings

BENEFITS

Early high temperature block resistance

Print resistance

Fast hardness development

Resistance to dirt pickup

Gloss retention

Tack resistance

Formulation to near zero VOC paints

END USES

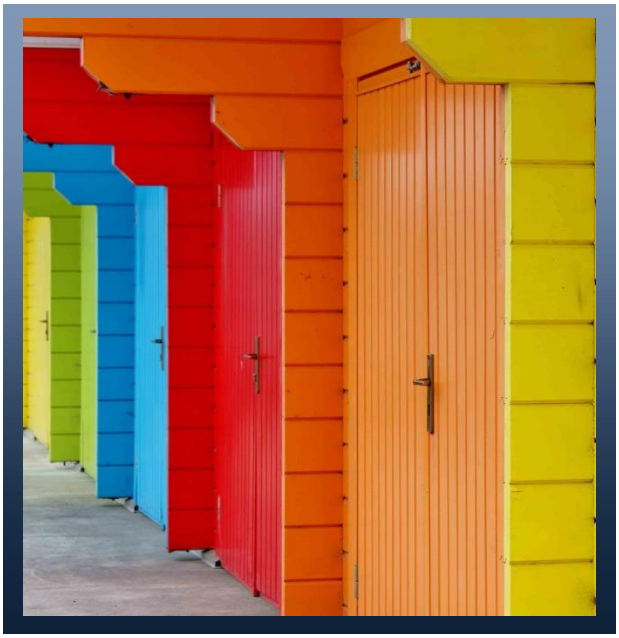
Semi-gloss to high gloss interior/exterior coatings for architectural DIY and/or professional paint formulas

MARKET SEGMENTS

Architectural

CHEMISTRY

100% Acrylic Film-Forming Polymer



EPS 2720 is a 100% acrylic film forming polymer based on Self-Crosslinking Technology which makes it an excellent choice for high performance gloss interior and exterior architectural coatings. EPS 2720 is a versatile polymer recommended for use in high through semi-gloss white to neutral base Architectural DIY and Professional paints.

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Specifications

Weight Solids	48.0 +/- 0 .7%
Weight/Gallon	8.8 +/- 0.1
pH	8.3 – 8.8

Typical Properties

Volume Solids	45.0 +/- 0 .7%
MFFT	13° C

Suggested Coalescing Solvent(s)

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

Texanol and/or EPS 9147 (White Base)	6-8%
Texanol and/or EPS 9147 Ultra-Deep Base (tinted)	2-4%

Suggested Formulations

EPS 2720 Gloss White/Pastel Dry TiO_2 Base

EPS 2720 Gloss Ultra-Deep Base

APEO-Free, 100% acrylic film-forming polymer offering excellent properties including:

- Early high temperature block resistance
- Print resistance
- Fast hardness development
- Low-tack, even in near zero VOC formulations
- Resistance to dirt pickup
- Gloss retention in both accelerated QUV-A (ASTM G154) and natural exposure testing
- Scrub resistance (ASTM D2486)
- Near zero VOC paints can be formulated using the EPS 9147 coalescent
- Exterior exposures in progress in Los Angeles CA, Marengo IL, and Fort Myers FL.

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TECHNICAL SUPPORT

The following guidelines are offered to assist the paint formulator in achieving the high performance properties offered by EPS 2720

SDS

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

For more information on any of our products or services please visit us on the Web at:

www.epscca.com

EPS Materials
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Email: info@epscca.com

www.epscca.com
Cust. Service: Phone 1-800-654-4242
Fax1-815-568-4145

Technical Service: 1-800-601-8111

Suggested Formulation

Formula: EPS 2720 Gloss White/Pastel Dry TiO_2 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	0.11	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 2720**	**EPS**	Add dispersion under agitation
91.5	10..97	Water		
19.8	2.26	**EPS 9147**	**EPS**	Mix 10 minutes
1.0	0.13	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
1038.4	**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	10.38 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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Marengo, IL 60152

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Suggested Formulation

Formula: EPS 2720 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 2720**	**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	
129.1	15.5	Water		
25.0	2.90	Optiflo T1000	BYK	Mix 10 minutes
8.0	0.87	Optiflo TVS VF	BYK	Mix 15 minutes
864.8	**100.14**	**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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