

# EPS<sup>®</sup> 2719

## Polymer for Cool Roof Coatings

### BENEFITS

Resistance to asphalt bleed-through

Low temperature flexibility

Adhesion to common roofing substrates

Dirt Pick Up resistance

UV light resistance

Non-APEO formulation

### MARKET SEGMENTS

Roofing

### CHEMISTRY

Acrylic Polymer

# Technical Data Sheet



EPS<sup>®</sup> 2719 is an all-acrylic emulsion designed to essentially eliminate asphalt bleed through in cool roof coatings while maintaining flexibility and toughness. Roof coatings based on EPS<sup>®</sup> 2719 also offer UV and dirt pick-up resistance and excellent adhesion to asphaltic and other common construction substrates.

### Specifications

Weight Solids	55.0 +/- 0.7%
---------------	---------------

Weight/Gallon	8.85 +/- 0.10
---------------	---------------

pH	8.25 +/- 0.25
----	---------------

### Typical Properties

Volume Solids	52.1 +/- 0.7%
---------------	---------------

Tg	-4° C
----	-------

Volatile(s)	Water (44.84%) Ammonia (0.16%)
-------------	-----------------------------------

### Suggested Formulations

EPS <sup>®</sup> 2719 SR1 - White Roof Coating
--

### Excellent balance of properties

- Excellent resistance to bleed-through on fresh or repaired asphalt
- Flexible at temperatures as low as -10°C
- Adhesion to asphalt, PVC, metal and other common roofing substrates
- Resistance to dirt pickup
- UV light resistance
- Excellent toughness with both high tensile strength and elongation
- Formulated without APEOs
- Can be used in both base coat and top coat formulations
- Application by spray, roller and brush with easy soap and water cleanup

# EPS® 2719

## TECHNICAL SUPPORT

The following guidelines are offered to assist the paint formulator in achieving the high performance properties offered by EPS® 2719. These guidelines 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 (MSDS) are available at [www.epscca.com](http://www.epscca.com).

For more information on any of our products or services please visit us on the Web at: [www.epscca.com](http://www.epscca.com)

The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. EPS assumes no obligation or liability for use of this information. **UNLESS EPS AGREES OTHERWISE IN WRITING, EPS MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR FREEDOM FROM PATENT INFRINGEMENT. EPS WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.** Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option. Unless otherwise agreed in writing, all sales of EPS products are governed by the EPS Terms and Conditions of Sale, available at <https://www.epscca.com/opencms/export/sites/epscca/galleries/pdfs/salesterms.pdf>.

EPS Materials  
1400 N. State Street  
Marengo, IL 60152

Email: [info@epscca.com](mailto:info@epscca.com)

[www.epscca.com](http://www.epscca.com)

Cust. Service: Phone 1-800-654-4242  
Fax 1-815-568-4145

# Asphalt Bleed Blocking

Commercial Base Coat	EPS® 2719 SR1 Starting point formulation	Commercial Top Coat
<ul style="list-style-type: none"><li>➤ Significant bleed-through</li><li>➤ Delta E: 30.9</li><li>➤ Cracking/staining from</li></ul>	<ul style="list-style-type: none"><li>➤ Virtually unchanged</li><li>➤ Delta E: 6.7</li><li>➤ Effects of UV are trivial</li></ul>	<ul style="list-style-type: none"><li>➤ Significant bleed-through</li><li>➤ Delta E: 24.3</li><li>➤ Staining from UV</li></ul>



Samples were prepared and aged according to the following procedure:

- Coatings were applied to fresh modified bitumen using a 20 mil draw down bar
- Films were allowed to cure three days under ambient conditions
- Samples were exposed 500 hours in QUV cabinets according to ASTM G154
- Delta E was calculated from L a b color measurements made on each film before and after QUV weathering

# EPS® 2719

## TECHNICAL SUPPORT

The following guidelines are offered to assist the paint formulator in achieving the high performance properties offered by EPS® 2719. These guidelines 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 (MSDS) are available at [www.epscca.com](http://www.epscca.com).

For more information on any of our products or services please visit us on the Web at: [www.epscca.com](http://www.epscca.com)

The data on this sheet represent typical values. Because application variables are a major factor in product performance, this information should serve only as a general guide. EPS assumes no obligation or liability for use of this information. **UNLESS EPS AGREES OTHERWISE IN WRITING, EPS MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR FREEDOM FROM PATENT INFRINGEMENT. EPS WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.** Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option. Unless otherwise agreed in writing, all sales of EPS products are governed by the EPS Terms and Conditions of Sale, available at <https://www.epscca.com/opencms/export/sites/epscca/galleries/pdfs/alesterms.pdf>.

### EPS Materials

1400 N. State Street  
Marengo, IL 60152

Email: [info@epscca.com](mailto:info@epscca.com)

[www.epscca.com](http://www.epscca.com)

Cust. Service: Phone 1-800-654-4242  
Fax 1-815-568-4145

# Suggested Formulation\*

## Formula: EPS® 2719 SR1 - White Roof Coating (02/17)

Pounds	Gallons	Raw Material	Supplier	Instructions
154.90	18.60	Water		Add in order with good agitation
11.00	1.25	Tamol 165A	Dow	
3.00	0.40	28% Ammonium Hydroxide		
5.00	0.67	Foamaster 111	BASF	
60.00	1.80	Ti-Pure R-960	Chemours	
400.00	17.72	Duramite	Imerys	Grind 20 minutes until Hegman >5 is attained
5.00	0.67	Foamaster 111	BASF	Add to grind in order with mixing
<b>490.00</b>	<b>55.37</b>	<b>EPS® 2719</b>	<b>EPS</b>	
6.74	0.85	Texanol	Eastman	
10.87	1.13	Polyphase 663	Troy	
11.00	1.27	Propylene Glycol		Premix and add slowly with good agitation
3.00	0.27	Natrosol 250HBR	Ashland	
<b>1160.51</b>	<b>100.00</b>	<b>Total</b>		

### Formulation Parameters

Weight Solids	64.59
Volume Solids	50.63
VOC Level	40 g/L
Weight/Gallon	11.61 lb/gal

### Typical Properties

Viscosity	100-110 KU
pH	8.0 – 9.0
Color	White

\* Because coating manufacturing and application variables are a major factor in product performance, this information should serve only as a general guide. EPS assumes no obligation or liability for use of this information and disclaims any warranties in connection therewith.