## EPS<sup>®</sup> 2719

# **Technical Data Sheet**

## 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



### Specifications

-	
Weight Solids	55.0 +/- 0 .7%
Weight/Gallon	8.85 +/- 0.10
pH	8.25 +/- 0.25

<b>Typical Properties</b>		
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

**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.

### **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<sup>®</sup> 2719

#### **TECHNICAL SUPPORT**

The following guidelines are offered to assist the paint formulator in achieving the high performance properties offered by EPS<sup>®</sup> 2719. These guildeines are offered for illustration purposes only; the paint formulator bears sole responsibility for the performance of the final coating product.

#### SDS

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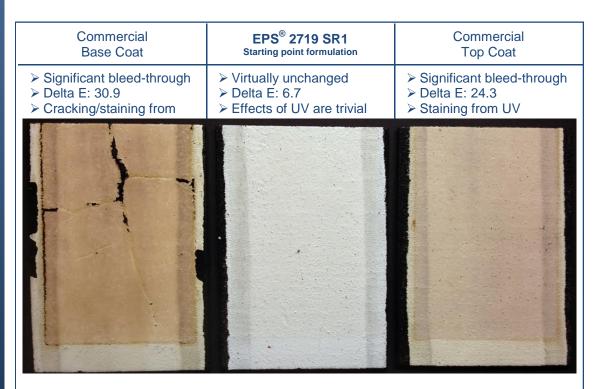
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# Asphalt Bleed Blocking



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



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# Suggested Formulation\*

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
490.00	55.37	<b>EPS<sup>®</sup> 2719</b>	EPS	
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	
<u>1160.51</u>	<u>100.00</u>	Total		

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.

