



TECHNICAL DATA

Thermolene® SEBS Stainblocker

Stain Blocking Aluminum Coating

DESCRIPTION

Styrene Ethylbutylene Styrene (SEBS) stain blocking aluminum base coat is an elastomeric single component block co-polymer roof coating. Thermolene® SEBS Stainblocker base coat is VOC compliant.

Each roof application has unique requirements and as such may require a specific system configuration and application. This product is manufactured to our product specification and our only obligation shall be to replace such product if proven to be defective. Thermo Manufacturing Systems, LLC does not assume responsibility for any defects in application of this product, or any deficiencies in any roof or substrates on which this product is applied, nor shall Thermo Manufacturing Systems, LLC be responsible or liable for injury, loss, or damage of any kind or character, direct or consequential, arising from the application, use or inability to use this product.

TYPICAL PHYSICAL PROPERTIES

<u>PROPERTY</u>	<u>VALUE</u>	<u>TEST METHOD</u>
*Weight per Gallon	9.5 lbs ± 0.5 lbs	ASTM D 244
*Solids Content (by Weight)	55% ± 2%	ASTM D 1644
*Flash Point	117°F	
*Tensile Strength @ 73°F	800 psi	ASTM D 412
*Elongation @ 73°F	400%	ASTM D 412
*Low Temperature Flexibility - 1000 hrs of Xenon Arc	Pass (-15°F)	ASTM D 552
*Permeance	0.025 perms	ASTM D 1653
*Ultraviolet Exposure - 1000 hrs of Xenon Arc	No cracking, checking or loss of flexibility	ASTM D 4798
*Hardness	75 Shore A	ASTM D 2240
*Abrasion Resistance	8 mg	ASTM D 986
*Water Swelling % (mass)	0.04%	ASTM D 471
*Fungus Resistance	Zero Growth	ASTM G 21
*Reflectance	90%	Federal Test Standard #141A
*Weather-o-meter - type BH, 8000 hrs of Xenon Arc	No deterioration	ASTM 26
*Viscosity	9,500 – 11,500 cps	

USES

Thermolene® SEBS Stainblocker base coat is formulated with special stain blockers to prevent asphaltic bleed through of residue on metal roofs, aged modified bitumen and aged BUR. Product should be applied when substrate temperature is more than 40°F and less than 100°F. Thermolene® SEBS Stainblocker base coat must be covered with Thermolene® SEBS Reflective surface coat.

COVERAGE

When applied at a rate of 1-gal/sq, the theoretical wet film thickness should be 16 mils and the theoretical dry film thickness should be 10 mils. Coverage rates required to qualify for Thermo Manufacturing Systems, LLC extended roof warranties range from 2 to 4 gal/sq.

COLOR

Aluminum

STORAGE STABILITY

Twenty four months when stored in unopened containers at 40°F - 80°F. DO NOT FREEZE.

CLEAN UP

Mineral Spirits

PRIMER

On properly prepared surfaces, no priming is needed for application to most metal, BUR and modified bitumen.

CURE TIME

When applied at 16 wet mils coating thickness and at conditions of 75°F and 50% relative humidity, Thermolene® SEBS Stainblocker base coat will dry to the touch in 2 hours, but should not be recoated until it has reached full cure usually within 24-48 hours. Colder weather and/or higher humidity will retard curing whereas warmer weather and/or lower humidity will tend to accelerate curing.

LIMITATIONS

Thermolene® SEBS Stainblocker base coat should not be shipped or stored at temperatures below 32°F. Thermolene® SEBS Stainblocker base coat is not recommended for installations where ponding water is likely to occur for longer than 48 hours. Thermolene® SEBS Stainblocker base coat should not be applied when weather conditions will not permit drying, i.e. high relative humidity (>90%), just before rain, dew, freezing temperatures or sunset. Keep product away from heat, sparks and open flame.

PACKAGING

Available in 5 gallon pails or 55 gallon drums

SURFACE PREPARATION

Thermolene® SEBS Stainblocker base coat is supplied ready to use. Thinning is not required or recommended. If required, stir the materials slowly to ensure uniformity. DO NOT MIX AT HIGH SPEED. All surfaces to be coated must be clean, dry and free of any oil, grease, dirt or rust. Rust must be removed and area treated with appropriate Thermo Materials® products.

APPLICATION INSTRUCTIONS

Brush

Roller - short nap

Conventional or airless spray equipment

WARRANTY

When applied by an approved applicator and with an approved maintenance program, extended warranties are available by notifying Thermo Manufacturing Systems, LLC **PRIOR** to job start.

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