



TECHNICAL DATA

Thermolene[®] SEBS Lo-VOC Reflective

Surface / Base Fluid-Applied Reflective Membrane

DESCRIPTION

Thermolene[®] SEBS Lo-VOC Reflective (styrene ethylbutylene styrene) is an elastomeric single component block co-polymer fluid-applied reflective membrane. Thermolene[®] SEBS Lo-VOC Reflective is to be applied in one or more coats depending upon specification requirements. Thermolene[®] SEBS Lo-VOC Reflective 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.

USES

Thermolene[®] SEBS Lo-VOC Reflective may be applied to metal, wood, concrete, aluminum, brick, SPF, EPDM, Hypalon, TPO and fiberglass surfaces as well as existing acrylic and most painted surfaces. Product should be applied when substrate temperature is more than 40°F and less than 100°F. Thermolene[®] SEBS Lo-VOC Reflective is also used as a base coat on some Thermo Materials[®] applications where Thermolene[®] SEBS Stainblocker is not required.

COLOR

Standard colors are white and gray. Other Energy Star qualified colors are available. Custom tinting is available upon request.

STORAGE STABILITY

One year 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 plywood, most metal, EPDM, Hypalon, TPO or aged SPF. Modified bitumen and BUR require a base coat of Thermolene[®] SEBS Stainblocker.

CURE TIME

When applied at 16 wet mils coating thickness and at conditions of 75°F and 50% relative humidity, Thermolene[®] SEBS Lo-VOC Reflective 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 tend to retard curing whereas warmer weather and/or lower humidity will tend to accelerate curing.

LIMITATIONS

Thermolene[®] SEBS Lo-VOC Reflective should not be shipped or stored at temperatures below 32°F. Thermolene[®] SEBS Lo-VOC Reflective is not recommended for installations where ponding water is likely to occur for longer than 48 hours. Thermolene[®] SEBS Lo-VOC Reflective 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 Lo-VOC Reflective 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

Apply by brush, roller with long nap, or conventional or airless spray equipment

WARRANTY

When installed by an approved applicator and with an approved maintenance program, various extended warranties are available for specific Thermo Materials® Roof Restoration Systems by notifying Thermo Manufacturing Systems, LLC PRIOR to job start. Call for details regarding warranty application documentation requirements.

APPROVALS



TYPICAL PHYSICAL PROPERTIES

PROPERTY	VALUE	TEST METHOD
Weight per Gallon	9.0 lbs ± 0.5 lbs	
Solids Content by Weight	60% ± 2%	
Viscosity (KU)	90 – 105	
Viscosity (cPs)	> 140	
Initial Elongation	830%	ASTM D412
Initial Tensile Strength	2140 psi	ASTM D412
Low Temperature Flex after 1000 hrs Xenon Arc Aging	Pass	
Fungi Resistance	Zero Rating	

CRRCC RATED PRODUCT DIRECTORY

PRODUCT	CRRCC PRODUCT ID	INITIAL SOLAR REFLECTANCE	INITIAL THERMAL EMITTANCE
Thermolene® SEBS – White	0760-0007	.87	.90

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