



PRODUCTS FOR OUR ENVIRONMENT

**TECHNICAL DATA SHEET**

**ERS-600 Hot**

P/N: 045-0180

For Professional Use Only



**PRODUCT DESCRIPTION:**

ERS-600 Hot is a high performance, metal clad, fiberglass-reinforced, styrene-butadiene-styrene (SBS), modified bitumen sheet. Surfaced with embossed aluminum, ERS-600 Hot is designed for hot mop applications where finished aesthetics and high reflectivity are required.

**RECOMMENDED USES:**

ERS-600 Hot can be used as a high performance, reflective surfacing sheet in a multiple ply flashing application.

**ADVANTAGES:**

- Aluminum surface provides a weathering and UV barrier or protection for the membrane's bituminous compounds.
- Weather resistant for long-term performance.
- Excellent cold weather performance.
- Meets or exceeds ASTM D 6298 requirements.
- Meets requirements of Factory Mutual Research Corporation® Standard 4470.
- Classified by Underwriters Laboratories, Inc.® as to an external fire exposure.
- Energy Star compliant.
- Solar reflectance and thermal emissivity values in accordance with the Cool Roof Rating Council Product Rating Program.
- Meets Florida Power & Light (FPL) requirements.

**APPROVALS:**



	<b>Solar Reflectance</b>	<b>Initial</b> 0.87	<b>Weathered</b> 0.72
	<b>Thermal Emissance</b>	0.05	0.10
	Rated Product ID Number	0 0 0 8	
	Licensed Seller ID Number	0 8 6 6	
	Classification	Production Line	

Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emissance on building performance may vary.  
Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.

**INSTALLATION:**

**Surface Preparation:** The surface over which sheet is to be installed must be firm, dry, smooth and compatible with the membrane and application method, free of debris, loose or combustible material. All surfaces must be designed and installed in accordance with Ecology's specifications. Positive drainage is required. Apply ERS-301 to all metal, concrete and other porous surfaces and allow to dry prior to installation of the flashing. Never torch directly to combustible materials.

**PACKAGING:**

ERS-600 Hot comes in a 39" x 33' roll; 25 rolls per pallet.

**STORAGE:**

One (1) year from date of shipment when stored in a cool, dry place, preferably indoors.

**PRECAUTIONS:**

- Do not apply directly to previously coated surfaces without conducting an adhesion test. The use of a mechanically attached insulation or base sheet separator is recommended.
- Protect all components of Ecology's assemblies from discharges such as petroleum products, grease, oil (petroleum and vegetable) and constant contact with water in excess of 140°F (60°C).
- When ambient temperatures are below 50°F (10°C), material should be kept in a warm area (60°F (15.6°C) or higher) and brought to the roof no more than one hour prior to the application.

**PRECAUTIONS (Continued):**

- Do not apply directly to the following surfaces unless they are primed with ERS-301 (asphalt primer): Gypsum, Stucco, Textured Masonry, any Metal.
- Flashing membranes shall be cut and flopped into place where transition angles are involved.
- Copper flanges may be weathered or coated with an anti-tarnish lacquer, which impair adhesion. Clean with acetone and clean rags. Prime with ERS-301 (asphalt primer) before applying flashing membrane.
- Do not apply flashing membranes directly to fresh mopping asphalt with ERS-309 or asphalt mastic, as poor adhesion will result.

**PHYSICAL PROPERTIES: (Typical Value)**

Physical Property per ASTM D 6298	MD	XD
Tensile – Max Load at $0 \pm 3.6^{\circ}\text{F}$ lbf/in	200	175
Elongation at $0 \pm 3.6^{\circ}\text{F}$ %	12	10
Tensile – Max Load at $73.4 \pm 3.6^{\circ}\text{F}$ lbf/in	136	134
Elongation at $73.4 \pm 3.6^{\circ}\text{F}$ %	8	8
Tear Strength at $73.4 \pm 3.6^{\circ}\text{F}$ lbf	130	130
Low Temperature Flex $^{\circ}\text{F}$ max	-15	-15
Dimensional Stability % max	<0.2	<0.2
Compound Stability Temp $^{\circ}\text{F}$	225	225

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**REGIONAL OFFICES LOCATED ACROSS THE U.S.**

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