



PRODUCTS FOR OUR ENVIRONMENT

## TECHNICAL DATA SHEET

### ERS-All Temp Asphalt 100%, 150% & 200%

P/N: 010-0030

For Professional Use Only



#### PRODUCT DESCRIPTION:

ERS-All Temp Asphalt is a specially chosen asphalt refined for use as a superior waterproofing adhesive and floodcoat in roof construction. ERS-All Temp Asphalt creates a weather-resistant system and is processed to retain essential oils to maintain those properties necessary for long-term performance.

ERS-All Temp Asphalt is manufactured to meet and exceed all ASTM D 312 performance criteria. It is available in four grades depending on roof slope requirements. ERS-All Temp Asphalt can be heated using conventional, direct heated roofing kettles and is applied using standard handling and mopping techniques.

#### RECOMMENDED USES:

ERS-All Temp Asphalt can be used with all types of roofing felts and in a broad range of systems. It can be used to apply base and ply sheets as well as modified asphalt systems and insulation.

#### ADVANTAGES:

- Can be applied by conventional methods eliminating need for costly and specialized equipment.
- Secures gravel cover and provides a weather-resistant top protective coating.
- Contains no asbestos.
- Superior physical properties result in higher performance membrane systems.
- Exceeds minimum requirements of ASTM Specification D 312.

#### INSTALLATION:

**Surface Preparation:** Surface must be clean and dry.

**Application:** ERS-All Temp Asphalt may be heated in a conventional roofing kettle. In order to achieve a consistent temperature during application, the kettle should be equipped with a circulating pump. ERS-All Temp Asphalt should be applied at the labeled EVT range for proper coverage. Do not heat above 525°F. The flash point of ERS-All Temp Asphalt is 500°F (260°C). ERS-All Temp Asphalt may be applied by mop, using cotton or fiberglass mop heads.

Felt layers, such as the Garlock Universal, are preferred. Chain mops are not to be used with uncoated polyester ply sheets, as they can damage the ply.

As a surfacing floodcoat of ERS-All Temp Asphalt is applied, immediately broadcast new, clean and dry roof gravel into hot material at a rate of 400 lbs/100 sq.ft.

#### STORAGE LIFE:

When storing, protect from long-term exposure to direct sunlight and provide sufficient ventilation. Containers must be upright.

#### PACKAGING:

Available in 100 lb. kegs / 18 per pallet.

**PHYSICAL PROPERTIES:****ERS-All Temp Asphalt 100% Elongation**

Property	Typical Values	Test Method
Softening Point °F (°C), Type III	185 – 205°F (18 – 96°C)	ASTM D 312
Flash Point °F (°C)	500°F (260°C)	ASTM D 312
Penetration, units @ 32°F (0°C) @ 77°F (25°C) @ 115°F (46°C)	6 15 – 35 90	ASTM D 312
Ductility at 77°F (25°C), cm	2.5	ASTM D 312
Solubility in trichloroethylene, %	99	ASTM D 312
Elongation (%), min.	100	ASTM D 412
Cold Temperature Bend (°F)	38 – 42	ASTM D 3111
Asbestos Content	0	EPA 600/R-93/116

**ERS-All Temp Asphalt 150% Elongation**

Property	Typical Values	Test Method
Softening Point °F (°C), Type III	185 – 205°F (18 – 96°C)	ASTM D 312
Flash Point °F (°C)	500°F (260°C)	ASTM D 312
Penetration, units @ 32°F (0°C) @ 77°F (25°C) @ 115°F (46°C)	6 15 – 35 90	ASTM D 312
Ductility at 77°F (25°C), cm	2.5	ASTM D 312
Solubility in trichloroethylene, %	99	ASTM D 312
Elongation (%), min.	150	ASTM D 412
Cold Temperature Bend (°F)	38 - 42	ASTM D 3111
Asbestos Content	0	EPA 600/R-93/116

**ERS-All Temp Asphalt 200% Elongation**

Property	Typical Values	Test Method
Softening Point °F (°C), Type III	185 – 205°F (18 – 96°C)	ASTM D 312
Flash Point °F (°C)	500°F (260°C)	ASTM D 312
Penetration, units @ 32°F (0°C) @ 77°F (25°C) @ 115°F (46°C)	6 15 – 35 90	ASTM D 312
Ductility at 77°F (25°C), cm	2.5	ASTM D 312
Solubility in trichloroethylene, %	99	ASTM D 312
Elongation (%), min.	200	ASTM D 412
Cold Temperature Bend (°F)	38 - 42	ASTM D 3111
Asbestos Content	0	EPA 600/R-93/116

***Ecology Roof Systems***<sup>®</sup>

Corporate Offices

9821 Olde Eight Road, Unit F, Northfield, OH 44067

PHONE: 330-467-4220 FAX: 330-467-4225

www.ecologyroof.com

REGIONAL OFFICES LOCATED ACROSS THE U.S.

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