



PRODUCTS FOR OUR ENVIRONMENT

## TECHNICAL DATA SHEET

### ERS-200-N

P/N: 020-0015  
020-0016  
020-0017  
020-0018

For Professional Use Only

#### PRODUCT DESCRIPTION:

ERS-200-N is a non-fibered, emulsified blend of low melt point asphalt, bentonite clay and additives for superior weatherability.

#### RECOMMENDED USES:

ERS-200-N can be used as a top protective coating for new smooth asphalt roof systems, over aged, smooth asphalt roofs, or on the vertical portion of base flashings. It can be combined with ERS-StitchBond for reinforcement over aged, smooth surface asphalt roofs and flashings. It may also be applied as a preventive maintenance coating for sound, aged, smooth surface asphalt roof systems.

#### ADVANTAGES:

- Contains no asbestos
- Flexible – accommodates stress
- One part – requires no mixing
- Excellent weatherability
- Easily applied
- Meets or exceeds ASTM D 1227, Type III requirements
- Saves energy by reducing under roof temperatures

#### INSTALLATION:

**Surface Preparation:** All dirt and dust must be removed by washing with a high pressure hose or thorough sweeping. All debris is to be removed from the roof. If water is used for cleaning, the roof must be allowed to dry before priming. Prime surface (including metal) with ERS-301 or ERS-Clear Primer and allow to dry. When very warm temperatures exist, a mist of water should be sprayed over the surface to be coated to minimize mud cracking.

**Application:** Due to the thixotropic nature of this material, it is recommended that all material be mixed prior to spray application. Mixing can be done within the container by using heavy duty mixing equipment. Material may be sprayed and brushed, or simply snaked onto the roof and brushed into place. An 18" Tampico brush is recommended for the application. Brush in figure eight pattern.

**Final surfacing:** Black in color, ERS-200-N may be resurfaced with ERS-308, ERS-308-F, or ERS-White Roof Coating. The application of a reflective surfacing must not be done until ERS-200-N has cured a minimum of 30 days.

**Recommended Spray Equipment:** Gas powered or air operated airless spray equipment producing a minimum of 1,200 psi, using a .043 - .061 HD RAC Tip. When finished, use water to flush hoses. Use mineral spirits to flush water from pump or to clean cured material.

**Drying time:** In normal summer weather, resistance to light showers is obtained in 2 hours. Do not apply ERS-200-N when temperature will fall below 40°F (4.4°C) before full cure is reached. Allow 7 to 14 days, depending on amount applied and drying conditions, before exposure to foot traffic or temperatures below 40°F (4.4°C).

#### COVERAGE:

**APP or SBS Modified Bitumen Sheets** – Do not use over SBS sheets unless the system is to be surfaced with reflective coatings. Apply ERS-200-N at a rate of 1.5 – 2 gallons per square over APP or SBS to be surfaced. Apply at 2 – 3 gallons per square over APP to be left black.

**Flashing Reinforcement** – Apply ERS-301 and allow to dry before coating with ERS-200-N. With one layer of ERS-StitchBond, apply 3 gallons per 100 square feet as an embedment coating and 3 gallons per 100 square feet over the reinforcement for a total of 6 gallons per 100 square feet. A 7" Tampico brush is recommended for flashing work.

**New Roof Systems** – Fibrous Glass Ply Sheets – Glaze top ply with hot bitumen; do not floodcoat. Allow new roof assembly to age a minimum of 90 days before installing ERS-200-N at a rate of 3 gallons per square maximum per coat.

**Smooth Roof Coating System** – Apply ERS-301 and allow to dry before coating with ERS-200-N. Apply 3 gallons per 100 square feet by spray brush method when using over smooth surface aged asphalt roofs without membrane. This application will still allow the pattern of existing checking to be noticed. If this is undesirable, use reinforcement as indicated below.

For reinforcement with ERS-StitchBond, apply a minimum of 3 gallons per 100 square feet below and a maximum of 3 gallons per 100 square feet above the membrane. Total coverage is 6 gallons per square. Additional material may be required depending on the original systems surface texture and the amount of protection desired.

#### PACKAGING:

ERS-200-N is available in 5 gallon (18.9 liter) pails and 55 gallon (208.19 liter) drums.

#### STORAGE LIFE:

One (1) year from date of shipment when stored in unopened, original container at temperatures above 32°F (0°C). DO NOT ALLOW TO FREEZE.

#### PRECAUTIONS:

- Do not heat material.
- ERS-200-N applied over modified bitumen sheets may crack at lap edges. Multiple thin coats or polyester reinforcement at end and side laps is required to prevent cracking.
- May be surfaced with ERS-308, ERS-308-F or ERS-White Roof Coating after allowing a 30 day cure period.
- Must be stored in areas where temperatures will remain above 32°F (0°C).
- Not for use on wood surfaces or over plastic and rubber membranes.
- Not for use on or with products containing coal tar.
- Hot surfaces should be cooled by misting with water prior to application of this product to prevent overly rapid drying. Product may be applied to damp surface but not on puddled areas.
- When spraying, all lines and hoses must be free of solvent-based products.

#### PHYSICAL PROPERTIES:

Property	Typical Value	Test Method
Loss of Cured Film on Heating	1.0% max	ASTM D 6
Asbestos Content	0%	EPA 600/R-93/116
Residue by Evaporation	48%	ASTM D 1227
Weight per US Gallon	8.5 lbs.	ASTM D 1227
Weight per Liter	1020 gms.	ASTM D 1227
Ash Content of Residue	7%	ASTM D 1227
Base Asphalt: Softening Point Penetration @ 77°F (25°C) Ductility	115 – 130° F (46°C – 54.4°C) 60 – 80 50 in.	ASTM D 36 ASTM D 5 ASTM D 113
Water Content by Weight	52%	ASTM D 1227
Flammability	No tendency to flash or ignite	ASTM D 1227
Firm Test	24 hours, maximum	ASTM D 1227
Heat Test @ 212°F (100°C)	No blistering, sagging or slipping	ASTM D 1227
Flexibility @ 32°F (0°C)	No cracking or flaking	ASTM D 1227
Resistance to Water	No blistering or re-emulsification	ASTM D 1227
Direct Flame Test	Coating charred in place	ASTM D 1227

## *Ecology Roof Systems*®

Corporate Offices

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

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

[www.ecologyroof.com](http://www.ecologyroof.com)

REGIONAL OFFICES LOCATED ACROSS THE U.S.

To the best of our knowledge, all technical data contained herein is true and accurate as of the date of issuance and subject to change without prior notice. User must contact Ecology Roof Systems to verify correctness before specifying or ordering. We guarantee our products to conform to the quality control standards established by Ecology Roof Systems. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any is limited to replacement of the product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY ECOLOGY ROOF SYSTEMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.