



PRODUCTS FOR OUR ENVIRONMENT

TECHNICAL DATA SHEET

ERS-8000-NR

P/N: 025-0015

For Professional Use Only



PRODUCT DESCRIPTION:

ERS-8000-NR, compounded with a proprietary combination of PVC and DuPont's Elvaloy™ provides the strength and integrity of traditional membranes in a highly reflective, high energy saving white color. ERS-8000-NR is used as the surface membrane adhered in either approved cold-applied adhesives or in hot asphalt. This membrane is utilized in applications where increased environmental restrictions and customer sensitivity to certain project conditions are critical. ERS-8000-NR is often selected for hospitals, schools, nursing homes, offices, high rise buildings, and industrial plants.

LIMITATIONS:

ERS-8000-NR cannot be used with coal tar mastic but can be applied over coal tar roofs with appropriate separation. Phased construction is not approved. A positive slope of $\frac{1}{2}$ " in 12" must be in place prior to application. Vertical flashings may not exceed 18" in height without installing a termination bar or other approved method of fastening. ERS-8000-NR should only be applied when temperatures are 45°F and rising.

MATERIALS AND COMPOSITION:

ERS-8000-NR is composed of an elastomeric blend of DuPont Elvaloy™ along with other unique ingredients reinforced with dispersed polyester fibers.

Application:

The subsurface should be smooth, level, clean, and dry. When adhering ERS-8000-NR in hot asphalt, priming is not required. For application with cold-applied adhesives, consult the Ecology Roof Systems' Technical Services Department. The substrate must have positive slope to drain. Do not apply directly over insulation. ERS-Recover Board is recommended if insulation does not have a facer. Alternatively, ERS-Insulation-IS-A, with a heavy felt facer or ERS-Insulation-IS-B, with a heavily coated fiberglass glass facer can be specified.

ERS-8000-NR can be installed directly over existing substrates, approved insulations, or base sheets after all have been properly prepared. ERS-8000-NR can be used as the surface membrane in a built-up system. Install vapor barrier as required per vapor barrier manufacturer's instructions. Install cant strip (treated wood or fibrous) and treated wood nailers. Wood nailers are to be installed so as to meet the height of the insulation. Install glass ply sheets and glass base sheets per specifications. When the first ply sheet is to be mechanically fastened a second glass ply sheet must be fully adhered in specified ply adhesive. Seam integrity is created by simply hot air welding the overlapping membrane at the lay line located 3" in from the sides of the membrane.

APPROVALS:



PHYSICAL PROPERTIES: (Typical Value)

Property	Test Method	Results
Size		36" x 50' (135 Sq.Ft. installed)
Weight		60 lbs/roll
Elongation	ASTM-D-412	170%
Tensile Strength	ASTM-D-412	1300 lbs/in ²
Tear Strength	ASTM-D-624	270 psi
Density @ 70°F		80 lbs/ft ²
Low Temperature Flexibility	37-GP-56M	Pass
Water Absorption	37-GP-56M	Less than 0.1%

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