TECHNICAL DATA SHEET

1800S ULTRA NT RADIANT BARRIER (SOLID)

Designed for (SCIF's) Sensitive Compartmental Information Facilities
(Aluminum Foil / Woven Poly / Aluminum Foil)

PATENTED PATENTED PATENTED
See rFOIL website for details

Product Description:

rFOIL® Ultra NT Radiant Barrier is a heavy duty radiant barrier sheet made up of a single layer of woven polyethylene material bonded to and sandwiched between two highly reflective aluminum foil surfaces.

Ultra NT Radiant Barrier is designed to be used in Sensitive Compartmented Information Facilities (SCIF's). In addition to being a highly effective radiant barrier, Ultra NT solid is also an approved vapor barrier.

Features:

- **Minimum Shielding Effectiveness (100MHz – 10GHz): 85 dB**
- Wider frequency test results available
- Highly reflective radiant barrier aluminum foil surface
- Reflects 97% of Radiant Heat
- Thermal performance unaffected by moisture
- Unrolls and cuts easily
- Durable and flexible woven polyethylene base
- Increases sound attenuation for SCIF's

Applications:

- Sensitive Compartmented Information Facilities (SCIF's)

Stock Roll Sizes:

Size:	**48" x 125'** (Solid)
Part No.	1800-48-125S

(SOLID product)
No Perforation

ASTM INTERNATIONAL
RIMA International
Reflective Insulation Manufacturers Association International
Verified
US-006-20

PHYSICAL PROPERTIES	TEST	VALUE
EMISSIVITY	ASTM C1371-04A	0.03
REFLECTIVITY	—	0.97
CORROSIVENESS	ASTM D3310-00	PASSES
FIRE RATING	ASTM E84-10	CLASS 1 / CLASS A
	ASTM E84-10	FLAME SPREAD = 0 / SMOKE DEVELOPED = 20
BLEEDING and DELAMINATION	ASTM C1224-03	NO BLEEDING or DELAMINATION
PLIABILITY	ASTM C1224-03	NO CRACKING
WATER VAPOR PERMEABILITY	ASTM E96-05	0.01 Perms
RESISTANCE TO FUNGI	ASTM C1338-08	PASSES
MIL THICKNESS	—	11.5 mil
TENSILE STRENGTH TEAR RESISTANCE	ASTM D2261	LENGTH: 14.93 lbs
		WIDTH: 15.13 lbs
SHIELDING EFFECTIVENESS	IEEE-299-2006	(100Mhz - 10Ghz) : 85 dB

REFLECTIVE PRODUCTS
Division of Balcan Innovations Inc

Published: May 08, 2025

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Application Notes:

The Architectural Specifications for any particular job shall override the information presented on this Technical Data Sheet with regards to the appropriate products to use and the appropriate installation method to use for that particular job.

Shielding Effectiveness - Test Standard IEEE-299 / ASTM D4935

Test results for Ultra NT Radiant Barrier 1800-48-125S **(SOLID product)**

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