

rFOIL[®] ULTRA NT RADIANT BARRIER (SCIF's)

Product Description:

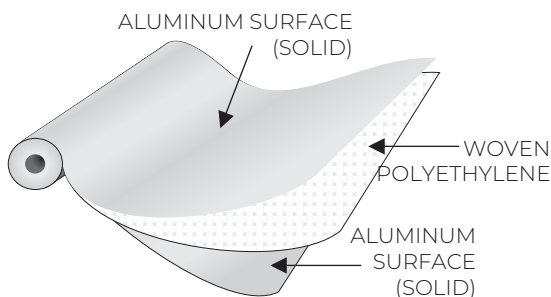
rFOIL™ Ultra NT Radiant Barrier is a heavy duty radiant barrier sheet made up of a single layer of woven polyethylene material bonded to and sandwiched between two highly reflective aluminum surfaces. Ultra NT Radiant Barrier is designed to be used in Sensitive Compartmented Information Facilities (SCIF's). In addition to being a highly effective radiant barrier, Ultra NT solid is also an approved vapor barrier.

Stock Sizes Available (Rolls):

Size	48" X 125' (solid)
Part No.	1800-48-125S

Features:

- Highly reflective radiant barrier 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



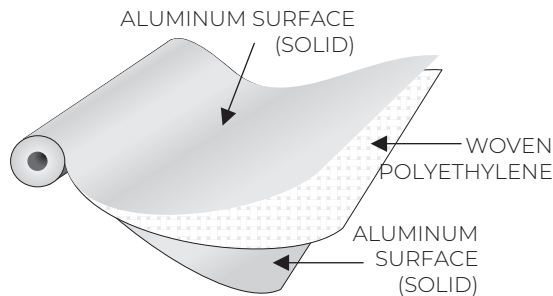
Applications:

- Sensitive Compartmented Information Facilities (SCIF's)

Physical Properties	Test	Value
EMISSION	ASTM C1371-04A	0.03
REFLECTIVITY	—	0.97
CORROSIVENESS	ASTM D3310-00	PASSES
FIRE RATING	ASTM E84-09	CLASS 1 / CLASS A
BLEEDING & DELAMINATION	ASTM C1313-05	No Bleeding or Delamination
PLIABILITY	ASTM C1313-05	No Cracking or Delamination
TEAR RESISTANCE	ASTM D2261	Length 14.93 / Width 15.13
WATER VAPOR PERMEABILITY	ASTM E96-05	0.01 Perms
RESISTANCE TO FUNGI	ASTM C1338-08	PASSES

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 only)

HORIZONTAL SETTINGS			
Frequency (Mhz)	Horizontal Calibration Signal (watts)	Horizontal Signal Measurement (watts)	Horizontal Shielded Effectiveness
100	51.4 nanowatts	42 picowatts	49.7%
400	2.1 microwatts	6.3 picowatts	68.8%
800	2.1 microwatts	1.8 picowatts	75.6%
1,000	2.0 microwatts	620 femtowatts	81.3%
5,000	2.0 microwatts	75 picowatts	55.3%
10,000	20 microwatts	167 picowatts	56.4%

VERTICAL SETTINGS			
Frequency (Mhz)	Vertical Calibration Signal (watts)	Vertical Signal Measurement (watts)	Horizontal Shielded Effectiveness
100	51.4 nanowatts	46 picowatts	47.8%
400	2.1 microwatts	1.7 picowatts	75.8%
800	2.0 microwatts	2.7 picowatts	73.4%
1,000	2.0 microwatts	3.0 picowatts	72.9%
5,000	21 microwatts	25 picowatts	61.4%
10,000	21 microwatts	240 picowatts	54.7%