



## ULTRA NT RADIANT BARRIER for SCIF's

**1800 SERIES**



### rFOIL® Benefits:

- Minimum Shielding Effectiveness (100MHz – 10GHz): 85 dB (Solid) & 67 dB (Perforated)
- Wider Frequency Test Results Available
- Highly reflective radiant barrier surface
- Reflects 97% of Radiant Heat
- Thermal performance unaffected by moisture
- Reduces heating & cooling energy consumption
- Durable and flexible woven polyethylene base
- Unrolls and cuts easily

### rFOIL® Applications:

- Ideal for Sensitive Compartmented Information Facilities (SCIF's)
- Secured Government and High Security Facilities
- Superior shielding security for data centers and server farms



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.

rFOIL® 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.





# ULTRA NT RADIANT BARRIER for SCIF's

(1800 Series)

## Inner Layer of Woven Polyethylene

- Outstanding tear strength and puncture resistance
- Allows for a permanent bond of foil layers
- Allows firm hold when stapled

## Reflective Radiant Barrier Facings

- Reduces radiant heat gain and loss
- Redirects radiant heat energy back to living area
- Saves energy usage and lowers heating costs
- Extends life of heating and cooling systems
- Improves effectiveness of fiber / mass insulations

## Lightweight, Flexible Materials

- Easy to unroll, cut to fit and install
- Lightweight - 500 square feet weighs only 15 lbs.
- Easily cut to fit around obstructions

## PRODUCT SIZE



## PRODUCT SPECIFICATIONS

PHYSICAL PROPERTIES	TEST	1800 (Solid)	1800 (Perforated)
EMISSION	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	2.69 Perms
RESISTANCE TO FUNGI	ASTM C1338-08	PASSES	
THICKNESS	—	11.5 mil	
TENSILE STRENGTH TEAR RESISTANCE	ASTM D2261	LENGTH: 14.93 lbs	
		WIDTH: 15.13 lbs	
SHIELDING EFFECTIVENESS	IEEE-299-2006	Min (100Mhz-10Ghz): 85 dB	Min (100Mhz-10Ghz): 67 dB

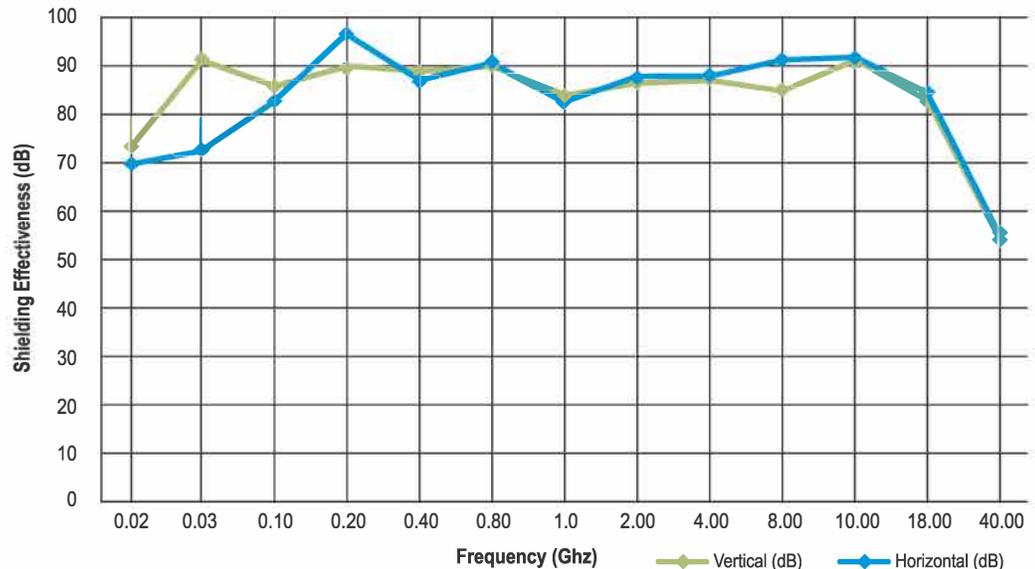
## SHIELDING EFFECTIVENESS TEST

Test Standard:  
IEEE-299 / ASTM D4935

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

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 Summary Polarity Results



Warranty, Applications and Technical Data Sheets can be found at [www.rfoil.com](http://www.rfoil.com)

