



TECHNICAL DATA SHEET

1800S ULTRA NT RADIANT BARRIER (SOLID)

Designed for (SCIFs) Sensitive Compartmental Information Facilities
(Aluminum Foil / Woven Poly / Aluminum Foil)

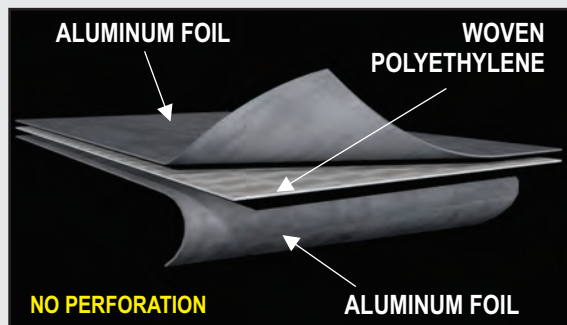


Product Description:

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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 (SCIFs). In addition to being a highly effective rF attenuation 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
- Performance unaffected by moisture
- Unrolls and cuts easily
- Durable and flexible woven polyethylene base
- Increases sound attenuation for SCIFs

Applications:

- Sensitive Compartmented Information Facilities (SCIFs), Data Centers, and any facility where rF attenuation is required.

Stock Roll Sizes:

Size:	48" x 125' (Solid)	48" x 250' (Solid)
Part No.	1800-48-125S	1800-48-250S

(SOLID product)
No Perforation



PHYSICAL PROPERTIES	TEST	VALUE
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
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



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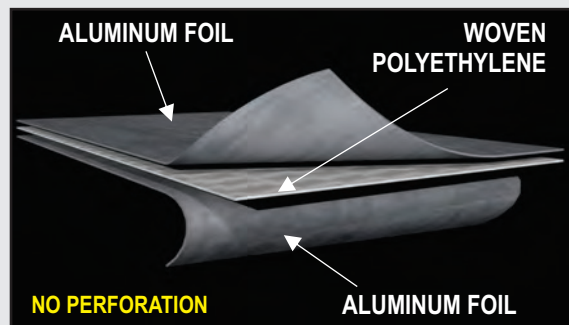


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Application Notes:

rFOIL 1800 Ultra NT Radiant Barrier for SCIF:

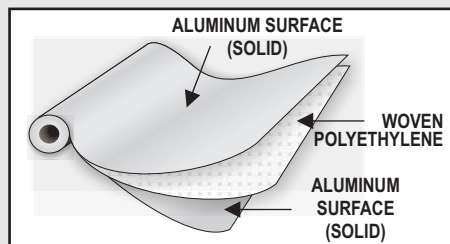
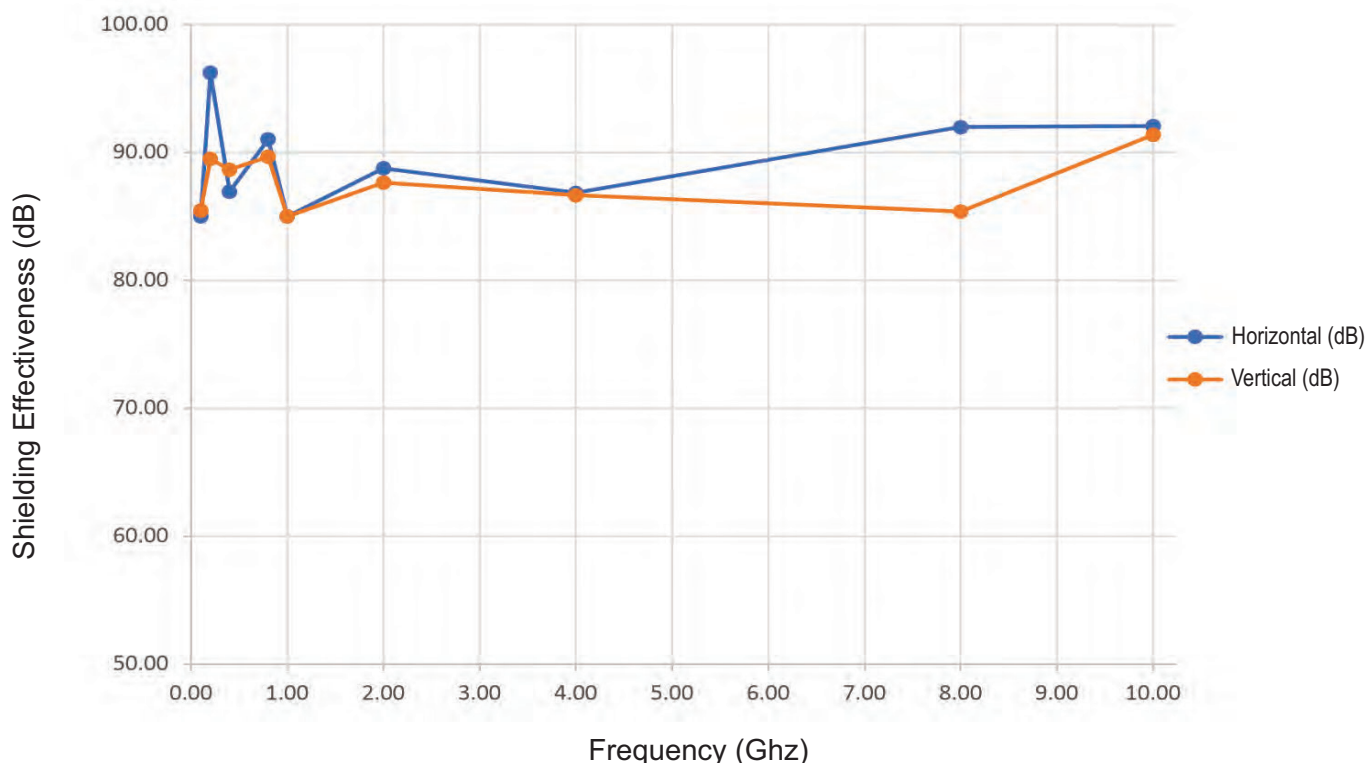
- Meets ICD 705 technical requirements.
- CTTA recommended & proven TEMPEST countermeasure.
- Meets all architectural shielding guidelines best practices for SCIFs.
- Fully compliant with the Buy American Act; proudly supporting US National Security for over 25 years



Shielding Effectiveness - Test Standard IEEE-299 / ASTM D4935

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

Shielding Effectiveness Summary Polarity Results



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