

# TECHNICAL DATA SHEET



## Ultra NT SIGNAL GUARD™ 1800X Series



### PRODUCT DESCRIPTION

rFOIL® Ultra NT SIGNAL GUARD™ is the perfect rF attenuation barrier. It is puncture-resistant, provides exceptional rF shielding, and is a permanent vapor and radon barrier.

rFOIL® Ultra NT SIGNAL GUARD™ is easy to handle, cut, and install while saving time and money, with enhanced security. Easily incorporated into any existing projects.

rFOIL® Ultra NT SIGNAL GUARD™ installs up to 80% faster, and costs significantly less than metal flooring. Metal flooring can take weeks to install depending on the size of the facility whereas rFOIL® Ultra NT SIGNAL GUARD™ can install in hours!

### PRODUCT FEATURES

- **Minimum Shielding Effectiveness (0.1GHz – 10GHz): 65 dB**
- IEEE-299 test report available
- Reflects 35% of Radiant Heat
- Performance unaffected by moisture
- Unrolls and cuts easily
- Durable and flexible woven polyethylene base
- Increases sound attenuation for SCIFs

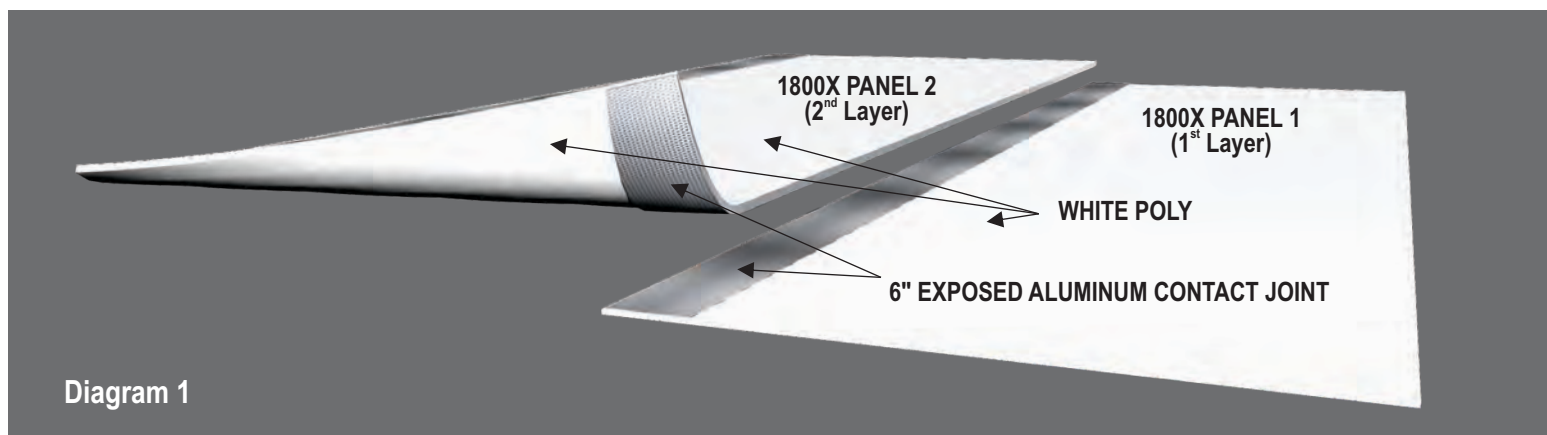


Diagram 1

### APPLICATIONS

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

SIZE
48" x 125'

PART NO.
1800X-48-125



PHYSICAL PROPERTIES	TEST	VALUE
EMISSIVITY	ASTM C1371	0.65
CORROSIVENESS	ASTM D3310	PASS
FIRE RATING	ASTM E84	CLASS 1 / CLASS A
	ASTM E84	FLAME SPREAD = 25 / SMOKE DEVELOPED = 30
BLEEDING and DELAMINATION	ASTM C1313-10.1	NO BLEEDING or DELAMINATION
PLIABILITY	ASTM C1313-10.2	NO CRACKING or DELAMINATION
WATER VAPOR PERMEABILITY	ASTM E96	0.01 Perms
RESISTANCE TO FUNGI	ASTM C1338	PASS - NO GROWTH
MIL THICKNESS	—	11.8 mil
TENSILE STRENGTH TEAR RESISTANCE	ASTM D2261	LENGTH: 27.76 lbs
		WIDTH: 16.77 lbs
SHIELDING EFFECTIVENESS	IEEE-299-2006	(0.1ghz - 10Ghz) : 65 dB



**REFLECTIVE  
PRODUCTS**

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Email: info@rFOIL.com Web: www.rFOIL.com



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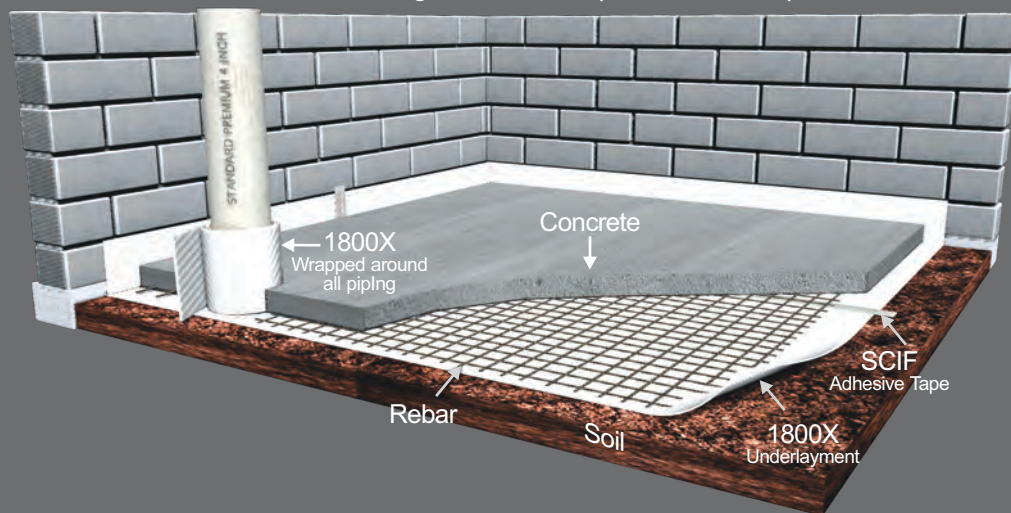
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### APPLICATION NOTES

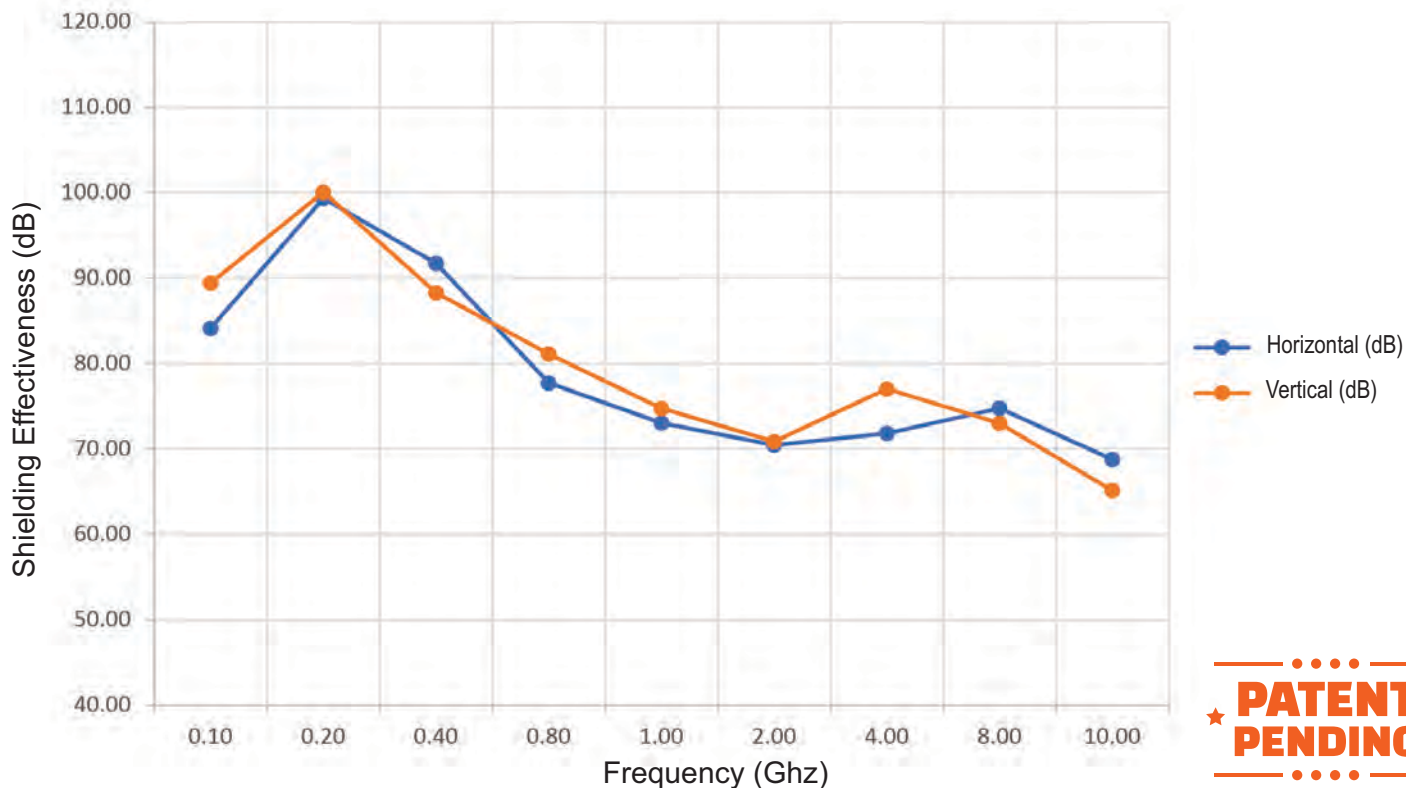
- Meets ICD 705 technical requirements.
- CTTA recommended & proven TEMPEST countermeasure.
- Meets all architectural shielding guidelines best practices for SCIFs.
- Fully compliant with the Buy American Act; proudly supporting US National Security for over 25 years

Minimum Shielding Effectiveness (0.1GHz – 10GHz): 65 dB



Shielding Effectiveness - Test Standard IEEE-299 / ASTM D4935  
Test results for Ultra NT SIGNAL GUARD 1800X-48-125

### Shielding Effectiveness Summary Polarity Results



**PATENT PENDING**



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