

Signal Protect Aluminum

>> Radio Frequency / Microwave Shielding Foil <<



Signal Protect Aluminum is our Radio Frequency “RF” shielding foil designed to block analogue and pulsed digital signals from sources such as cell phones/ cell phone towers, cordless telephones, wireless routers, television broadcasts, microwave ovens, smart meters, bluetooth devices, baby monitors, laptop computers, wireless security systems, radar, tablets and more...

Features:

- Vapor Barrier, Weather Resistant and Electrically conductive
- Excellent High Frequency RF shielding characteristics
- Effective barrier against Low Frequency AC Electric Fields when grounded
- Heavy duty / tear proof , Flexible and light weight
- Unrolls and cuts easily, safe to handle and Non-toxic
- Increases existing insulation performance
- MIL-STD 285 and IEEE Standard 299 Certification for RF Shielding

Application:

- Inner wall shielding behind sheetrock
- Serves as a vapour barrier
- Underneath shingles as roof shielding

Installation:

- Unroll on desired surface and staple to secure
- Overlap 4 - 6 inches for best results and tape seams with foil tape
- Ground if desired



Technical Data



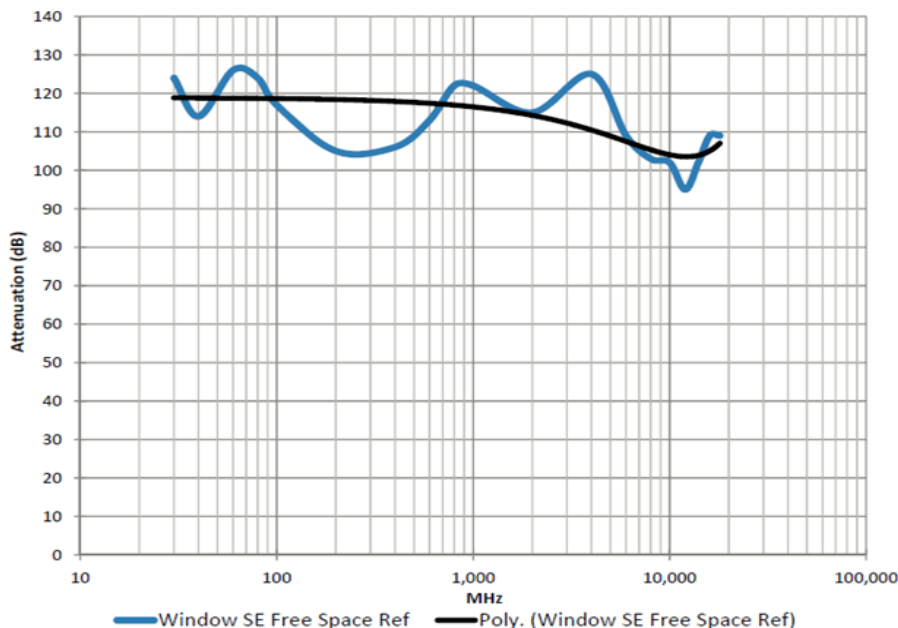
Format	Sold in 125 foot rolls x 4 feet wide = 500 sq feet / roll
Thickness	0.011" / 11 mil
Water Vapour Permeability	ASTM E96-05 0.0058 Perms
Fire Rating	ASTM E84-09 Class 2 / Class B
Resistance to Fungi	ASTM C1338-08 Does not promote growth

Accessories



Aluminum Tape ESW Indoor Grounding Plate ESA Outdoor Grounding Plate

Shielding Effectiveness: Signal Protect Aluminum



dB Shielding Table

- 10dB = 90%
- 20dB = 99%
- 30dB = 99.9%
- 50dB = 99.999%
- 70dB = 99.99999%
- 90dB = 99.999999%
- 100dB = 99.9999999%
- 110dB = 99.99999999%
- 120dB = 99.999999999%
- 130dB = 99.9999999999%

RF Sources

Baby Monitor	1900 MHz
Bluetooth	2400 MHz
Cellular	900-2600 MHz
DECT Phone	1900 MHz
FM Radio	88-108 MHz
Microwave Oven	2450 MHz
Smart Meter	900 MHz
TV Towers DTV	54-698 MHz
WiFi Router	2400-5100 MHz
WiMax	3500 MHz