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Signal Protect Aluminum Foil

>> Radio Frequency / Microwave Shielding <<



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:



- Serves as a vapour barrier
- Underneath shingles as roof shielding

Installation:

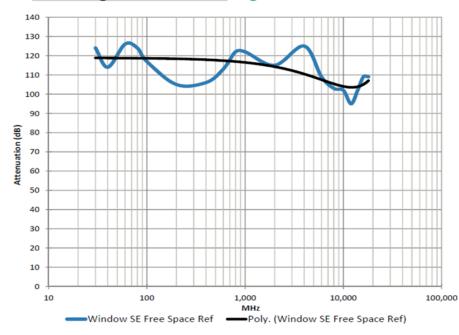
- Unroll on desired surface and staple to secure
- Overlap 4 6 inches for best results and tape seams with foil tape
- Ground if desired



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	

Shielding Effectiveness: Signal Protect Aluminum



Accessories



Aluminum Tape



Interior Ground Kit



Ground Kit

dB Shielding Table

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

RF Sources	
Baby Monitor	49, 902, 2400 MHz
Bluetooth	2400 MHz
Cellular	700-2600 MHz
5G Low-Mid, High Band	600-6000 MHz, 24000 MHz+
DECT Phone	1900 MHz
FM Radio	88-108 MHz
Microwave Oven	2450 MHz
Smart Meter	900, 2400 MHz
TV Towers DTV	54-698 MHz
WiFi Router	2400, 5000, 6000 MHz
WiMax	3500 MHz