

## 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:

- 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



GS2/GS3  
Interior Ground  
Kit



GF4  
Interior/Exterior  
Ground Kit

### dB Shielding Table

10dB = 90%
20dB = 99%
30dB = 99.9%
50dB = 99.999%
70dB = 99.99999%
90dB = 99.9999999%
100dB = 99.999999999%
110dB = 99.9999999999%
120dB = 99.99999999999%
130dB = 99.999999999999%

### 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

### Shielding Effectiveness: Signal Protect Aluminum

