



## EMI-SHIELD AL2.5

### EMI Foil Shielding (NO PSA)



**EMI-SHIELD AL2.5** is a 0.0025" (2.5 mil) (0.0635mm) thick aluminum foil for use as an EMI/RFI shield against electromagnetic interference. The foils are easy to work with and offer good shielding effectiveness across a wide range of frequencies, shielding against unwanted signals in or out of rooms and buildings.

**EMI-SHIELD AL2.5** may be used to form shielded enclosures of almost any size or shape, with primary use in construction with low-cost shielded rooms, shielded anechoic chambers and other shielded test rooms.

**EMI-SHIELD AL2.5** is ONLY available as bare Aluminum, No PSA (Pressure Sensitive Adhesive) backing.

TYPICAL SHIELDING EFFECTIVENESS 2.5 mil (Insertion Loss per MIL STD 285)	
FREQUENCY	dB
100 KHz, Magnetic Field	≥ 10
1 MHz, Magnetic Field	≥ 20
10 KHz, Electric Field	≥ 60
100 KHz, Electrical Field	≥ 60
1 MHz, Electrical Field	≥ 65
100 MHz, Plane Wave	≥ 45
400 MHz, Plane Wave	≥ 40
10 GHz Plane Wave	≥ 40

**EMI-SHIELD AL2.5** is applied like wallpaper, covering all surfaces: floor, walls and ceiling. Other than normal cleanliness, and dust free, no special preparation is required. The foil should be glued in-place (recommended). **E-SHIELD** products should be overlapped by a minimum of 3" to avoid RF leakage. For maximum effectiveness, seams should be taped with 4" wide, electrically conductive adhesive tape.

#### ORDERING INFORMATION

**EMI-SHIELD AL2.5** is available in standard width of 48" and length of 150 feet. Weight is 30 pounds per roll (gross). Other dimensions available by special order.



**Wear correct gloves when installing the foil, the edge is like a razor blade**