



## EMI-SHIELD CU14

### Copper EMI Foil Shielding With & Without PSA



**EMI-SHIELD CU14** is a 0.0014" (1.4 mil) (0.036mm) thick copper 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 CU20 is also available 0.0020" (2 mil) thick

**EMI-SHIELD CU14** 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** products are unique as they come with 2 mil Pressure Sensitive Adhesive (PSA) as the bonding mechanism. PSA offers a no-mess, no odor simple method of application method for applying the E-SHIELD to substrates. E-SHIELD is also available without PSA backing.

CU14 TYPICAL SHIELDING ATTENUATION PERFORMANCE (Insertion Loss per MIL STD 285)	
FREQUENCY	Attenuation (dB)
200 KHz, Magnetic Field	40
200 KHz, Electrical Field	80
1 MHz, Electrical Field	80
10 MHz, Electrical Field	80
400 MHz, Plane Wave	80
10 GHz Plane Wave	60

**EMI-SHIELD CU14** 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 may be stapled or glued in-place or ordered with a Pressure Sensitive Adhesive (PSA).

**E-SHIELD** products should be overlapped by a minimum of 3" to avoid RF leakage. For maximum effectiveness, seams should be taped with 3" wide, electrically conductive adhesive tape.

#### ORDERING INFORMATION

**EMI-SHIELD CU14** is available in standard widths of 24" lengths of 150 Ft with other dimensions available on special order. Either with or without PSA.

**EMI-SHIELD CU14 Tape** is available in 6" x 180 Ft rolls with PSA backing.

**EMI-SHIELD CU14 Tape** is also available in electrically conductive backed PSA, 1', 3' 4" & 6" x 180 Ft rolls.



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