



EMI-SHIELD AL5 EMI Foil Shielding With & Without PSA



EMI-SHIELD AL5 is a 0.005" (5 mil) (0.127mm) 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 AL5 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.

TYPICAL SHIELDING EFFECTIVENESS 5 mil (Insertion Loss per MIL STD 285)	
FREQUENCY	dB
1 KHz, Magnetic Field	12
10 KHz, Magnetic Field	20
100 KHz, Magnetic Field	25
10 KHz, Electric Field	≥80
100 KHz, Electrical Field	≥80
10 MHz, Electrical Field	≥80
100 MHz, Plane Wave	≥60
400 MHz, Plane Wave	≥60
1 GHz Plane Wave	≥60
10 GHz Plane Wave	≥60

EMI-SHIELD AL5 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 4" wide, electrically conductive adhesive tape.

ORDERING INFORMATION

EMI-SHIELD AL5 is available in standard widths of 12", 24" & 48" and lengths of 150 Ft with other dimensions available on special order. Either with or without PSA.

EMI-SHIELD AL5 Tape is available in 6" x 150 Ft rolls with PSA backing.

EMI-SHIELD AL5 Tape is also available in electrically conductive backing PSA, 1', 3' 4" & 6" x 180 Ft rolls.



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

1 0 0 6 4 D E E R F I E L D R O A D , F R A N K T O W N , C O L O R A D O 8 0 1 1 6 - 8 8 0 8

Local Telephone: 303-761-9447

Nation Wide Toll Free 1-800-742-9447

Never Busy Fax: 303-761-5067

Website: www.ramayes.com

Email: sales@ramayes.com