



EMI-SHIELD AL10 EMI Foil Shielding without PSA

EMI-SHIELD AL10 is a 0.010" (10 mil) (0.254mm) thick aluminum foil for use as an EMI/RFI shield against electromagnetic interference. The foil is easy to work with and offers good shielding effectiveness across a wide range of frequencies, shielding against unwanted signals in or out of rooms and buildings.

EMI-SHIELD AL10 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 AL10 is specifically designed to be placed on the rough surface floor, usually glued directly to the concrete floor with a substrate placed over the top. The rolls are butt jointed and taped with 4" electrically conductive tape (recommended).

TYPICAL SHIELDING EFFECTIVENESS	
10 mil (Insertion Loss per MIL STD 285)	
FREQUENCY	dB
10 KHz, Magnetic Field	≥ 20
100 KHz, Magnetic Field	≥ 35
200 KHz, Magnetic Field	≥ 40
200 KHz, Electrical Field	≥ 100
1 MHz, Electrical Field	≥ 100
10 MHz, Electrical Field	≥ 100
400 MHz, Plane Wave	≥ 100
10 GHz Plane Wave	≥ 100

EMI-SHIELD AL10 is applied like vinyl floor covering, covering all floor surfaces. Other than normal cleanliness, and dust free, no special preparation is required. The foil may be screwed, stapled or glued in-place, depending on the floor type to be covered.

E-SHIELD products should be butt jointed, with the seams taped with 3", 4" or 6" tape to avoid RF leakage. For maximum effectiveness, seams may be taped with electrically conductive adhesive tape.

ORDERING INFORMATION

EMI-SHIELD AL10 is available in standard widths of 48" and lengths of 100 Ft with other dimensions available on special order.