



EMI-SHIELD RGD AL5

Ultra Lightweight EMI Foil Panel Shielding

EMI-SHIELD RGD AL5 is a 0.005" (5 mil) (0.127mm) thick aluminum foil for use as an EMI/RFI shield against electromagnetic interference, bonded to a ¼" cardboard backing. The foil panels 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 RGD 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 RGD AL5 panels are ultra lightweight, about 10 lbs each, which makes them easily installed by one person. For large coverage areas, the labor savings can exceed 30%.

TYPICAL SHIELDING PERFORMANCE

Insertion Loss per MIL STD 285

FREQUENCY	dB Down
200 KHz, Magnetic Field	- 25
200 KHz, Electrical Field	- 80
1 MHz, Electrical Field	- 80
10 MHz, Electrical Field	- 80
400 MHz, Plane Wave	- 60
10 GHz, Plane Wave	- 60

EMI-SHIELD RGD AL5 is applied like wall paneling, covering all surfaces: floor, walls and ceiling. Other than normal cleanliness, and dust free, no special preparation is required. The foil may be screwed, stapled or glued in-place.

E-SHIELD RGD AL5 panels should be butt jointed at the seams tapped with a 3" or 4" electrically conductive adhesive tape.

ORDERING INFORMATION

EMI-SHIELD RGD AL5 is available in standard size of 1/4" x 48" x 96" (32 ft²)

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 150 Ft rolls.