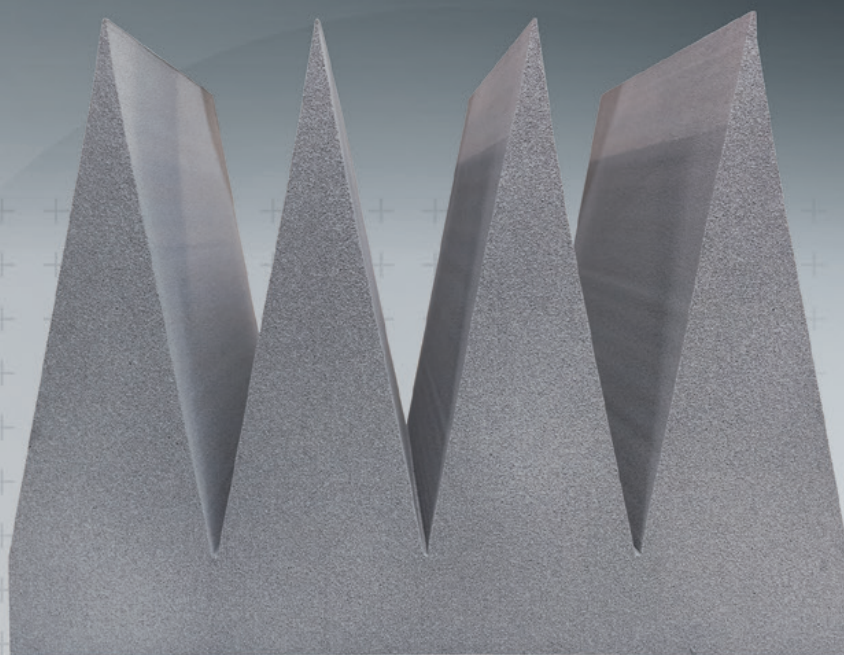




AEW SERIE

Wedge Absorbers



AEW-24

SOLUTION FOR

- Tapered Chambers
- Compact Ranges
- Standards: NRL, ISO, DIN

MAIN FEATURES

- Direct RF Energy Path
- Polarization Sensitive

PRODUCT CONFIGURATION

Shape

- Wedge

Frequency band

- From 125 MHz to 18 GHz

Height

- 4" to 48" (10.2 cm to 121.9 cm)

Operating conditions

- Temperature: 70°F +/-5° (21°C +/-3°)
- Relative Humidity: 50% RH +/- 10%

Indoor/outdoor

- Indoor

+ Description

AEMI manufactures a full line of wedge materials to complement our closely pyramidal absorbers. The wedge anechoic performance matches those of the pyramids, except that they are polarization sensitive.

These materials are used to direct energy in a given path so that it can be efficiently absorbed by large, high performance materials.

The coating of these absorbers does not affect the RF performances.

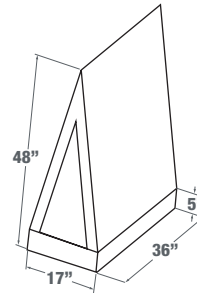
Wedge material 18" and above are designed with a specific width to accommodate the transition from pyramidal absorbers installed in 45 degree orientation.



Increase durability & lifespan by adding our rubberized coating!

ORDERING CODE

AEW-XX, where **XX** designates absorber height in inches



Specifications

		AEW-4	AEW-6	AEW-8	AEW-12	AEW-18	AEW-24	AEW-36H	AEW-48H
Height	in	4	6	8	12	18	24	36	48
	cm	10.2	15.2	20.3	30.5	45.7	61	91.4	122
Wedges	per block	12	12	8	6	1	1	1	1
Absorption @ Normal Incidence	@ 125 MHz								20
	@ 250 MHz						20	25	30
	@ 500 MHz					25	25	30	35
	@ 1.0 GHz			25	30	30	32	35	40
	@ 3.0 GHz	25	30	35	40	40	45	45	45
	@ 6.0 GHz	30	35	40	40	40	45	45	50
	@ 10.0 GHz	35	35	40	45	45	45	50	50
	@ 15.0 GHz	40	40	45	45	45	45	50	50
@ 18.0 GHz	45	45	45	45	45	45	50	50	
Weight	lbs/pc.	2.5	4.5	6	8	12	16	25	31
	kg/pc.	1.1	2	2.7	3.6	5.4	7.3	11.3	14
Base Size	In	24 x 48	24 x 48	24 x 48	24 x 48	8.5 x 48	11.3 x 48	17.5 x 36	17.5 x 36
Max Power Handling information		0.775 kW/m ² continuous and 1.5 kW/m ² pulsed							

