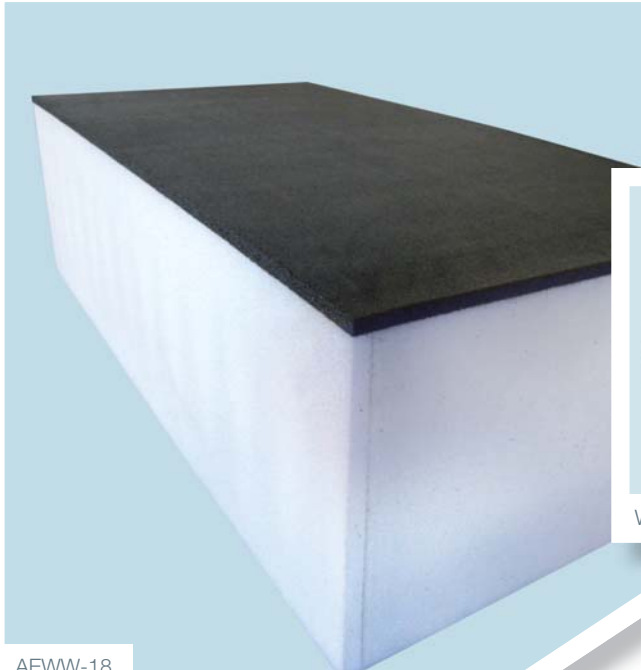
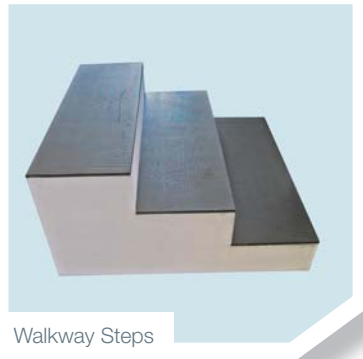


Walkway Absorbers - AEWV Series



AEVV-18



Walkway Steps

➤ Applications:

- In-chamber access to devices, antennas under test and support equipment

➤ Key features:

- Excellent load bearing and wear characteristics

➤ Shape:

- Flat
- Step

➤ Frequency band:

- From 250 MHz to 30 GHz

➤ Standard base size:

- 2' x 2' (60.96 cm x 60.96 cm)

➤ Height:

- Standard: 4" to 24" (10.2 cm to 61 cm)
- Custom sizes available up to 72"

➤ Operating conditions:

- Temperature: 70° F +/- 10° (21° C +/- 3°)
- Relative humidity: 55 % RH +/- 15 %

➤ Indoor/outdoor:

- Indoor

➤ Related certifications:

- NRL 8093 - 1, 2, 3

➤ Ordering code:

- AEWV-XX, where XX designates internal absorber height in inches

1/ Description

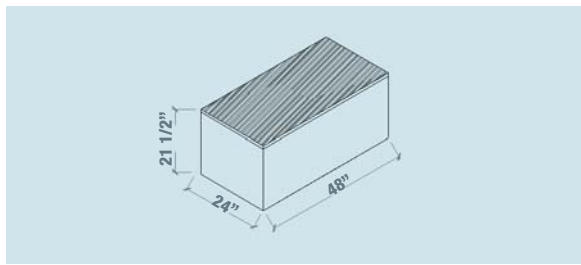
AEMI's broadband walkway RF absorber is composed of a self-extinguishing polystyrene core placed in an interlocking pattern over a standard AEP type material. This structure is topped with a higher density polystyrene laminate. The AEWV materials offer excellent load bearing and wear characteristics. The material's ability to withstand higher loads than most walkway materials is due to the construction technique.

At microwave frequencies, walkway performance is 10 to 15 dB less than standard absorbers of similar size. Custom sizes and shapes can be provided. The walkway absorber is taller than standard absorber. We generally recommend using walkways one size smaller than surrounding absorbers.

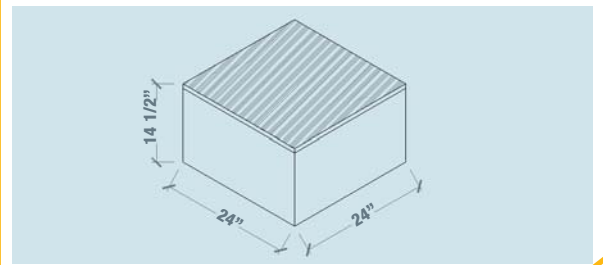
2/ Specifications

		AEWW-4	AEWW-8	AEWW-12	AEWW-18	AEWW-24
Internal Height	in	4	8	12	18	24
	cm	10.2	20.3	30.5	45.7	61
Size	in	24 x 24 x 5.5	24 x 24 x 9.5	24 x 24 x 14.5	24 x 24 x 21.5	24 x 24 x 29.5
	cm	61 x 61 x 14	61 x 61 x 24.1	61 x 61 x 36.8	61 x 61 x 54.6	61 x 61 x 74.9
Absorption @ Normal Incidence	@ 250 MHz					20
	@ 500 MHz				20	25
	@ 1.0 GHz		20	20	25	30
	@ 3.0 GHz	20	27	30	30	35
	@ 6.0 GHz	25	35	35	35	40
	@ 10.0 GHz	30	40	40	40	40
	@ 15.0 GHz	35	40	40	40	40
	@ 30.0 GHz	40	40	40	40	40
Power	Watt/in²	0.5	0.5	0.5	0.5	0.5
	Watt/m²	775	775	775	775	775
Weight	lbs/pc.	5.5	7	9	17.5	21.5
	kg/pc.	2.5	3.2	4.1	7.9	9.8
Load capacity	lbs	300	300	300	400	400
	kg	136	136	136	181	181

AEWW-18 24" x 48" mechanical drawing



AEWW-12 mechanical drawing



Custom walkway step

