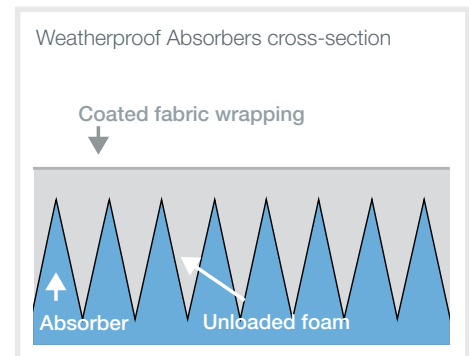
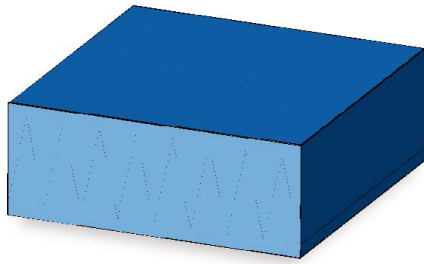


Weatherproof Absorbers - WP Series



Weatherproof Absorber

SOLUTION FOR

- Outdoor Ranges
- OATS Open Area Test Sites

Main features

- Withstands Moisture/Harsh Conditions
- Resistant to UV, Mildew, and Abrasion

Product configuration

Shape

- All absorber configurations available

Frequency band

- From 125 MHz to 18 GHz

Standard base size

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

Height

- 4" to 36" (10.2 cm to 91.4 cm)

Operating conditions

- Same as the applicable absorber.
Weatherproofing provides limited water resistance.

Indoor/outdoor

- Outdoor & indoor

Treatment

- Wrapped with a weather resistant/vinyl based cloth coating

Description

Weatherproof absorber material is more physically robust. A standard foam absorber is the base product. A low loss, unloaded front wedge is matched to the absorber, producing a rectangular shape. The mating absorber “block” is then covered with a vinyl-based textile that has high tear, mildew and UV resistance, and superior abrasion resistance. All seams are glued with a vinyl adhesive and all side seams are stitched to ensure long-term durability. Weatherproof absorber is intended for harsh use and is designed to withstand much more wear and tear and repeated handling than regular absorber. Weatherproof absorber is not waterproof and while it will resist some rain, it is recommended to store it under cover during storms or heavy rain. These materials can withstand UV and very harsh weather conditions and have a life span of 1 to 5 years, depending on use and the local environmental conditions. Storing the materials in a covered area when not in use can increase the life expectancy. The HyPyr-Loss™ Ultra Hybrid Absorbers can also be used as weatherproof absorbers, please refer to the related datasheet for more information on this product.

ORDERING CODE

- **AEP-XX-WP**, where **XX** designates absorber height in inches

Specifications

		AEP-4-WP	AEP-6-WP	AEP-8-WP	AEP-12-WP	AEP-18-WP	AEP-24-WP	AEP-36-WP
Height	in	4	6	8	12	18	24	36
	cm	10.2	15.2	20.3	30.5	45.7	61	91.4
Absorption @ Normal Incidence	@ 500 MHz					20	25	27
	@ 1.0 GHz			20	25	27	30	32
	@ 3.0 GHz	20	23	27	30	35	35	40
	@ 6.0 GHz	25	27	35	35	40	40	40
	@ 10.0 GHz	30	30	40	40	40	40	40
	@ 15.0 GHz	35	40	40	40	40	40	40
	@ 18.0 GHz	40	40	40	40	40	40	40
Power	Watt/in ²	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	Watt/m ²	775	775	775	775	775	775	775
Weight	lbs/pc.	1.2	1.5	2	2.5	3.5	4	7
	kg/pc.	0.5	0.7	0.9	1.1	1.6	1.8	3.2



Contact your local sales representative for more information
www.mvg-world.com/absorbers
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