

WEDGE ABSORBER ADM

ADM is a range of absorbers consisting of blocks of carbon-impregnated polyurethane foam in wedge shape.

ADM absorbers are designed for microwave measurement facilities such as Compact Ranges and anechoic chambers designed for measuring antenna patterns or radar cross section. For angles of incidence above 50°, the wedged shape of the ADM guide the reflected wave.



REFLECTIVITY PERFORMANCES

MINIMUM REFLECTIVITY OF ADM in dB For incidence angles close to the normal										
Type	Height (mm)	200 MHz	300 MHz	500 MHz	1 GHz	2 GHz	4 GHz	8 GHz	12 GHz	18 GHz
ADM 3	28						-10	-11	-11	-12
ADM 5	55					-15	-22	-27	-29	-32
ADM 9	89					-16	-27	-28	-30	-34
ADM 12	115					-17	-27	-28	-31	-35
ADM 20	210			-11	-20	-29	-33	-34	-35	-35
ADM 30	305			-15	-22	-29	-36	-38	-39	-39
ADM 45	455			-18	-30	-30	-41	-41	-41	-41
ADM 55	550		-17	-22	-36	-38	-41	-42	-42	-42
ADM 66	660	-14	-18	-24	-37	-39	-42	-42	-42	-42
ADM 85	850	-17	-27	-37	-39	-40	-42	-42	-42	-42
ADM 100	1000	-20	-30	-40	-40	-42	-42	-42	-42	-42
ADM 115	1150	-22	-32	-42	-42	-42	-42	-42	-42	-42



MAIN CHARACTERISTICS

- **Matrix:** polyurethane foam with 90% open cells.
- **Impregnating agents:** carbon, binder, fire retardant.
- **Colours:** black, white, blue, green, red (other colours on request).
- **Maximum service temperatures:** - 65° C to 160° C.
- **Power handling:** 0.2 W/cm² max CW.

COMPLIANCE TO STANDARDS & DIRECTIVES

Fire resistance: NRL 8093 (Test 1, 2, 3), ISO 11925-2, DIN 4102 (class B2).

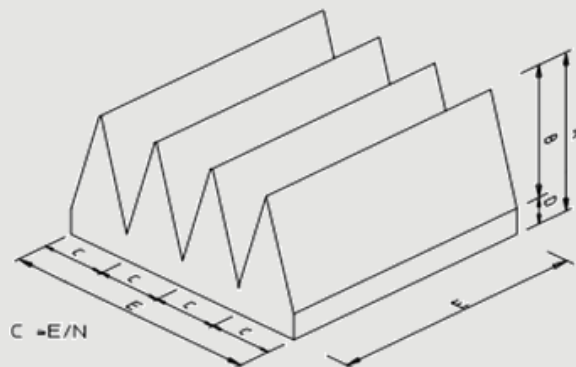
Our raw materials are compliant to **RoHS / REACH** and free of substances in the current list of Substances of Very High Concern (SVHC) published by the European Chemicals Agency (ECHA)
Both aqueous and plastic paint coating were developed to enable work in ISO 4 (ISO14644-1 2015) clean room conditions.

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DIMENSIONS

Type	A Total height (mm)	B Wedge height (mm)	D Base height (mm)	E ± T* Base length (mm)	N Number of Wedges per side	Weight (kg)	
ADM 3	28	18	10	610x610	±3	33	0.4
ADM 5	55	37	18	610x610	±3	33	1.0
ADM 9	89	76	13	610x610	±3	16	1.2
ADM 12	115	90	25	610x610	±3	16	1.6
ADM 20	210	160	50	610x610	±3	9	2.6
ADM 30	305	255	50	610x610	±3	6	3.7
ADM 45	455	380	75	610x610	±3	4	5.3
ADM 55	550	475	75	610x610	±3	4	5.8
ADM 66	660	560	100	610x610	±3	3	7.1
ADM 85	850	700	150	305x610	±3	1	5.0
ADM 100	1000	850	150	305x610	±3	1	5.8
ADM 115	1150	900	200	305x610	±3	1	6.6

* upon request the length can be increased to 1220 mm.



METHOD OF USE

ADM absorbers can be installed on all flat surfaces by Neoprene glue to be applied with a brush or a pneumatic spray gun to both faces to be glued.

These data are the result of tests performed in our laboratory. The use of the material and the performance specifications are the entire responsibility of the users who should ensure that the material is suitable for their purposes

