

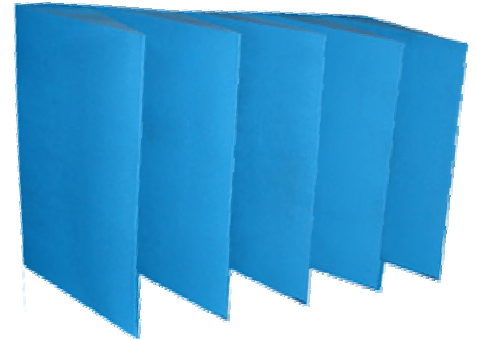
WEDGE ABSORBER HYFRAL ADM

PRESENTATION

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

HYFRAL ADM 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.



MINIMUM REFLECTIVITY OF HYFRAL 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	26 GHz
ADM 3	28						-10	-11	-11	-12	-14
ADM 5	55					-18	-22	-27	-29	-32	-36
ADM 9	89				-16	-22	-27	-29	-30	-34	-36
ADM 12	115				-18	-28	-29	-30	-31	-35	-36
ADM 20	210			-11	-20	-29	-33	-34	-35	-35	-36
ADM 30	305			-14	-22	-29	-39	-39	-39	-39	-39
ADM 45	455			-20	-32	-35	-41	-41	-41	-41	-41
ADM 55	550		-17	-22	-36	-38	-41	-42	-42	-42	-42
ADM 66	660	-12	-22	-27	-37	-40	-42	-42	-42	-42	-42
ADM 85	850	-17	-27	-37	-39	-40	-42	-42	-42	-42	-42
ADM 100	1000	-20	-30	-40	-40	-42	-42	-42	-42	-42	-42
ADM 110	1100	-22	-32	-42	-42	-42	-42	-42	-42	-42	-42

METHOD OF USE

ADM can be installed on all flat surfaces by HYFRAL 135 glue to be applied with a brush or a pneumatic spray gun to both faces to be glued.

Matrix: polyurethane foam with 90% open cells.

Maximum service temperatures: - 70° C et 160° C.

Impregnating agents: carbon, binder, fire retardant.

Power handling: 0.2 W/cm² max CW.

Colours: black, white, blue, green, red (other colours on request).

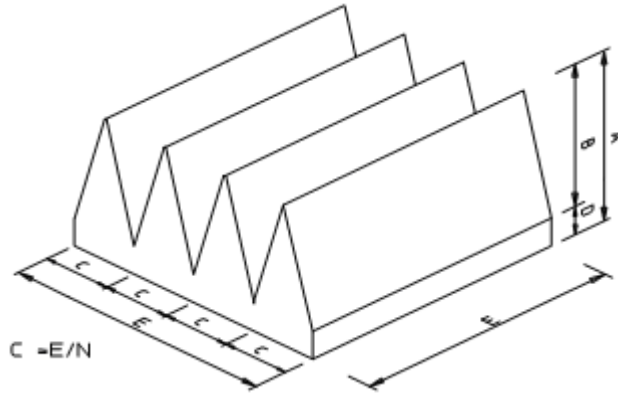
Fire resistance: NRL 8093 (Test 1, 2, 3), ISO 11925-2, DIN 4102 (class B2).

Paint: aqueous blue paint, or plastic paint for class 100 000 clean rooms.

These data are the result of tests performed in our laboratory. They are considered to be the best of our knowledge. The use of the material and the specification of the performances are made under the whole responsibility of users who should ensure themselves that the material is suitable for their purposes

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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	0.44
ADM 5	55	37	18	610x610 ±3	33	0.9
ADM 9	89	76	13	610x610 ±3	16	1.14
ADM 12	115	90	25	610x610 ±3	16	1.56
ADM 20	210	160	50	610x610 ±3	9	2.52
ADM 30	305	255	50	610x610 ±3	6	3.5
ADM 45	455	380	75	610x610 ±3	4	5
ADM 55	550	475	75	610x610 ±3	4	5.5
ADM 66	660	560	100	610x610 ±3	3	6.7
ADM 85	850	700	150	610x610 ±3	1	4.7
ADM 100	1000	850	150	610x610 ±3	1	5.5
ADM 110	1100	900	200	610x610 ±3	1	6.2

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



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