



SEA-WM

SIEPEL ELECTROMAGNETIC ABSORBER WEDGE MICROWAVE SHAPE



CUSTOMER'S BENEFITS

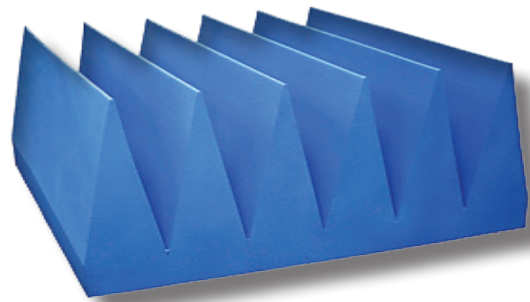
SEA-WM is a range of absorbers consisting of wedge-shaped blocks of carbon-impregnated polyurethane foam.

Purpose: 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 SEA-WM guides the reflected wave.

- Long-lasting investment
- High performance at optimal cost
- Fast delivery, commercially available off-the-shelves
- Easy installation
- Personnalisation with a wide range of colours

CHARACTERISTICS

- High-quality foam
- Maximum power handling: 1.5 kW/m² (CW)
- Maximum temperature: +160°C / 320°F
- Indoor use



COMPLIANCE TO STANDARDS & DIRECTIVES

- Fire retardancy: compliant to NRL 8093 (tests 1, 2, 3), DIN 4102-B2, ISO 11925-2 Euroclass E, UL-94/HBF
- Environmental: RoHS compliant according to 2011/65/EU / REACH compliant according to EC 1907/2006; environmental tests compliant to standards (ISO/EN60068-2-1 & ISO/EN60068-2-78)
- Cleanroom conditions: Class ISO 4 according to ISO 14644-1; test methodology according to ISO 14644-14

REFLECTIVITY PERFORMANCES

- Values in dB at normal incidence
- These reflectivity performances are guaranteed for 25 years
- They are the result of an extensive experience in the manufacturing of electromagnetic absorbers.

TYPE	200 MHz	300 MHz	500 MHz	1 GHz	2 GHz	4 GHz	8 GHz	12 GHz	18 GHz
SEA-WM 20			-11	-20	-29	-33	-34	-35	-35
SEA-WM 30			-15	-22	-29	-36	-36	-36	-39
SEA-WM 45			-18	-30	-30	-41	-41	-41	-41
SEA-WM 66	-14	-18	-24	-37	-39	-42	-42	-42	-42



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DIMENSIONAL PROPERTIES

TYPE	OVERALL HEIGHT		WEDGE HEIGHT		BASE HEIGHT		WEIGHT		NUMBER (of wedges per side)
	mm	in	mm	in	mm	in	kg	lb	
SEA - WM 20	210	8.3"	160	6.3"	50	2"	2.6	5.7	9
SEA - WM 30	305	12"	255	10"	50	2"	3.7	8.2	6
SEA - WM 45	455	18"	380	15"	75	3"	5.3	11.7	4
SEA - WM 66	660	26"	560	22"	100	4"	7.1	15.7	3

Base size 610 x 610 mm - 24" x 24" - Typical dimensions and weights

LIV COATING ADVANTAGES

- **This technological breakthrough in absorbers coating provides**
 - Softness and memory shape: no need to replace your absorbers on high traffic areas
 - Sturdiness: improved mechanical strength, no premature breakdown
 - Aesthetic: brighter working environment
- A wide range of colors is available for a customized design

SIEPEL BY YOUR SIDE

- Your project under control: Managed by our in-house design & manufacturing business units
- Engineering capabilities for the standard or custom design of anechoic chambers according to your request
- Commitment on outstanding finishes
- Installation performed by our highly qualified supervisors
- Significant number of unique projects for demanding and prestigious customers worldwide
- Project management capabilities and customer proximity during the product's lifetime



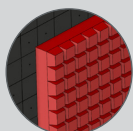
QUALITY

- Siepel aims to deliver to its customers a high-level of quality for all products and services
- Thanks to an ISO 9001/ISO 17025 quality management system, our company continuously focuses on customer satisfaction and excellence
- Siepel fulfills environmental obligations as REACH and RoHS directives, as well as other current regulations

IN-HOUSE TESTING

- Reflectivity performances factory-controlled as per IEEE standard 1128
- SEA absorbers are tested in Siepel's internal fire test lab as well as in independent test laboratories
- Factory Acceptance Tests (FAT): Reflectivity measurements from 30 MHz to 50 GHz

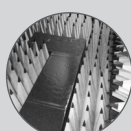
AN EXTENSIVE RANGE OF EMC & MICROWAVE ABSORBERS



Hybrids
SEA-HY & HYT



Weatherproof
SEA-WP



Walkway
SEA-WW



High power
SEA-HP



Microwave
SEA-PM & TM