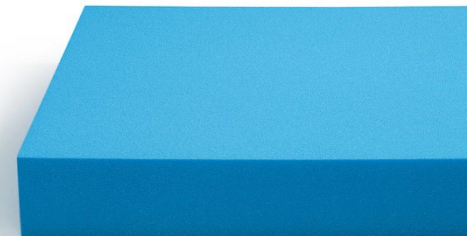


WAVASORB[®] AN

Laminated Broadband Flexible Flat Foam Absorber

- WAVASORB[®] AN is a series of lightweight, flat, flexible, foam absorbers.
- Consisting of a multilayer structure with different graded layers
- Designed to obtain a broadband reflectivity level at microwave frequencies of typically better than -17dB of normal incident energy relative to a metal background



WAVASORB® AN

Installation Methods

WAVASORB® AN is bonded to metallic surfaces using WAVASORB® Adhesive 13111. For easy exchange, modular installation techniques are available using Velcro fasteners to achieve perfect geometry and alignment compatibility with any type of shielding.

It can be easily cut on a band saw, with scissors, or a sharp knife

Slicing off part of the thickness will degrade the overall performance

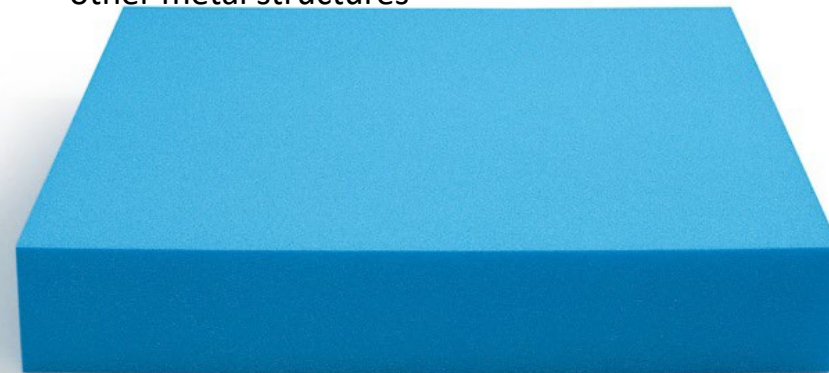
Not intend for outdoor use as humidity will reduce its RF-performance and lifetime

Following types of protection with different colours are available:

- Standard PU Painting
- Protected with a special coated fabric for semi-outdoor applications
- Sealed using a specific PVC fabric for use in harsh environment

Applications

- Lining of the inside of small test boxes to reduce reflection
- Around antennas for reducing the crosstalk between adjacent antennas
- To improve the antenna patterns and back- and sidelobes
- Reduction of radar cross section from masts and other metal structures



WAVASORB® AN

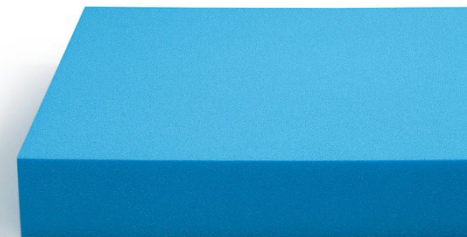
Characteristics

Standard Color	Blue (contrast colors available on request)
Operation Temperature	+5°C to +35°C
Frequency Range	Starting from 800 MHz
Typical Power Handling	0.15 W/cm ²
Quality Control	IEEE Standard 1128 ISO 9001

Physical & Electromagnetic Properties

	Thickness (cm)	Nominal Weight (kg)	Reflectivity Level (dB)
WAVASORB® AN-72	0.6	0.25	-17 dB @ 20 GHz
WAVASORB® AN-73	1.0	0.40	-17 dB @ 7.5 GHz
WAVASORB® AN-74	1.9	0.70	-17 dB @ 3.5 GHz
WAVASORB® AN-75	2.9	0.80	-17 dB @ 2.4 GHz
WAVASORB® AN-77	5.7	1.50	-17 dB @ 1.2 GHz
WAVASORB® AN-79	11.4	3.00	-17 dB @ 0.8 GHz

Standard Footprint: 61 x 61 cm



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Shaping

the future



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Safety Considerations: It is recommended to consult the E&C ANECHOIC CHAMBERS product literature, including material safety data sheets, prior to use E&C ANECHOIC CHAMBERS products. These may be obtained from your local sales office.

Warranty: Values shown are based on testing of laboratory test specimens and represent data that falls within the normal range of properties of the material. These values are not intended for use in establishing maximum, minimum or ranges of values for specification purposes. Any determination of the suitability of the material or any use contemplated by the user and the manner of such use is the sole responsibility of the user who must assure that the material as subsequently processed meets the needs of this particular product or use.

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