

# WAVASORB® FS

## Advanced Flat Sheet Absorber

- WAVASORB® FS is a series of flat, flexible, carbon-loaded, urethane-foam absorbers.
- Applied to line corners of anechoic chambers.
- Certified to all fire-retardancy and environmental specifications by containing an advanced chemical composition.
- REACH-and RoHS-compliant, maintaining a healthy environment for operation.
- Designed and quality controlled using commercial and original simulating and test techniques.

## Installation Methods

WAVASORB® FS is typically bonded to metallic surfaces using WAVASORB® Adhesive.

For easy exchange, modular installation techniques are available using velcro-fasteners or plate & rail mounting to achieve perfect geometry and alignment, compatible with any type of shielding.

Easy to cut on a band saw, with scissors or a sharp knife.

## Applications

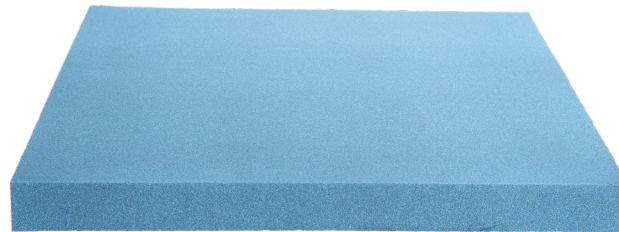
WAVASORB® FS is the preferred solution for the anechoic chamber lining of corners and complex areas in:

- Far-Field & Near-Field facilities;
- Compact Antenna test ranges;
- Rader Cross Section (RCS) facilities;
- Electronic Warfare (EW) test ranges;
- Hardware in the loop;
- Wireless Over-The-Air (OTA) measurement systems.

## Measurement techniques

WAVASORB® FS is manufactured in well-defined batches and their reflectivity is continuously monitored following internal ISO 9001 procedure.

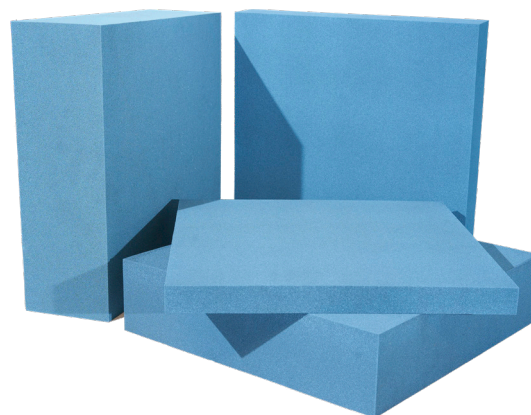
Sizes of our WAVASORB® FS can easily be customized to fit any specific project area. Multiple variables go with our WAVASORB® FS-absorbers, e.g. (plastic) coating, different painting/coating colours, self-adhesive tape factory-installed, ...  
**For more information on variables, contact your sales representative.**



## Characteristics

<b>Handling temperature<sup>(1)</sup></b>	+5°C to +35°C
<b>Humidity range</b>	30% to 70%
<b>Fire retardancy tests</b>	Compliant with: - UL-94 HBF & V-0 & HF-1 - EN13501-1: ISO 11925-2 Class E - ISO 4589-2 - DIN 4102-1 Class B2 - NRL 8093 Tests 1, 2 and 3
<b>Environmental testing</b>	According to: - IEC 60068-2-1 Test Ab - AATCC 30-IV (2004)
<b>REACH compliant</b>	According to EC 1907/2006
<b>RoHS compliant</b>	According to 2015/863/EU
<b>Quality control</b>	IEEE Standard 1128 ISO 9001
<b>Product life</b>	+25 years under controlled environment

<sup>(1)</sup> Depending on the application, the absorber can withstand temperatures of +90°C; for more information, contact your sales representative



## Physical properties

	Standard Color <sup>(1)</sup>	Standard footprint <sup>(2)</sup>
<b>WAVASORB® FS</b>	Light blue	61 cm x 61 cm

<sup>(1)</sup> Contrast colours available on request

<sup>(2)</sup> The above-mentioned dimensions have a tolerance of +/-6 mm

	Total height <sup>(1)</sup> (cm)	Nominal weight <sup>(2)</sup> (kg)
<b>WAVASORB® FS-20</b>	2,0	0,6
<b>WAVASORB® FS-25</b>	2,5	0,8
<b>WAVASORB® FS-50</b>	5,0	1,5
<b>WAVASORB® FS-100</b>	10,0	2,5
<b>WAVASORB® FS-150</b>	15,0	4,0
<b>WAVASORB® FS-200</b>	20,0	5,0

<sup>(1)</sup> The above-mentioned dimensions have a tolerance of +/-6 mm

<sup>(2)</sup> Weight values are subject to changes

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Specifications subject to change without notice. ECAC 03/2024

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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. We hope the information given here will be helpful. It is based on data and knowledge considered to be true and accurate and is offered for the user's consideration, investigation and verification but we do not warrant the results to be obtained. Please read all statements, recommendations or suggestions in conjunction with our conditions of sale INCLUDING THOSE LIMITING WARRANTIES AND REMEDIES which apply to all goods supplied by us. We assume no responsibility for the use of these statements, recommendations or suggestions nor do we intend them as a recommendation for any use which would infringe any patent or copyright.