

# WAVASORB® FS

*Advanced Flat Sheet Absorber*

- ✓ WAVASORB® FS is a series of flat, 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.
- ✓ Designed and quality controlled using commercial and original simulating and test techniques.

WITH RESPECT FOR THE ENVIRONMENT: REACH & RoHS COMPLIANT

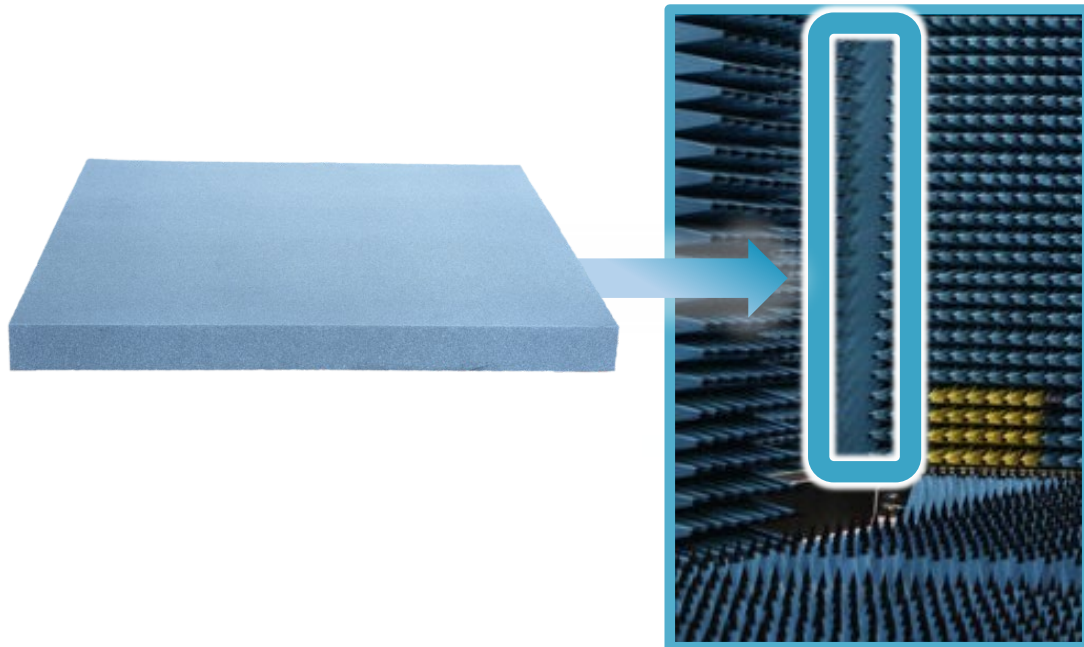


# WAVASORB® FS

## Manufacturing & Installation Methods

WAVASORB® FS is typically bonded to metallic surfaces using E&C Adhesive 13111.

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.



Picture was taken from  
TÜBITAK GEBZE FACILITIES

## Applications

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

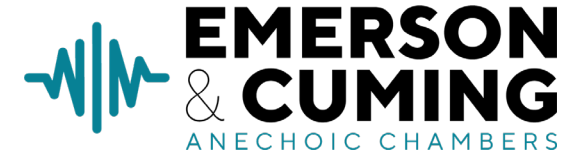
- ✓ Far-Field & Near-Field facilities;
- ✓ Compact Antenna test ranges;
- ✓ Rader Cross Section (RCS) facilities;
- ✓ Electronic Warfare (EW) test ranges;
- ✓ Wireless Over-The-Air (OTA) measurement systems.

## Measurement Techniques

WAVASORB® FS is manufactured in well-defined batches, and their fire-retardant properties are monitored following internal ISO 9001 procedures.

*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, painting/coating colours, self-adhesive tape factory-installed, ...  
For more information contact your local sales representative.*

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## Characteristics

<b>Handling Temperature</b> <sup>(1)</sup>	+5°C to +35°C
<b>Humidity Range</b>	30% to 70%
<b>Fire Retardancy Tests</b>	According to: - UL-94-HBF - ISO 4589 - EN 13501 - DIN 4102-1 Class B2 - NRL 8093 Tests 1, 2 and 3
<b>Environmental Testing</b>	Compliant with: - IEC 60068-2-1 - IEC 60068-2-78 - 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 local sales representative.

## Physical properties

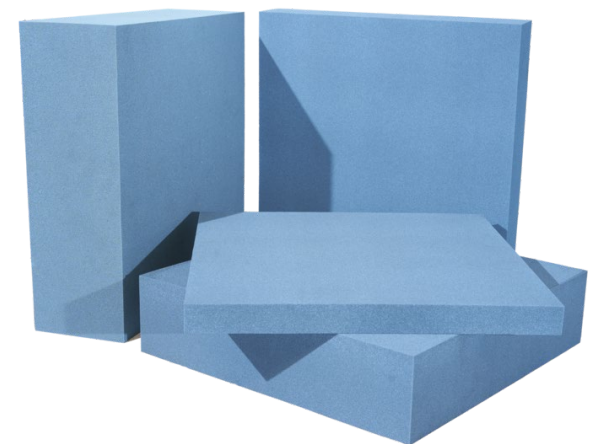
	Standard Color <sup>(1)</sup>	Standard footprint
<b>WAVASORB® FS-20 / FS-25 / FS-50 FS-100 / FS-150 / FS-200</b>	Light blue	61 cm x 61 cm

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

	Total height <sup>(1)</sup> (cm)	Average 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 change



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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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