

# ECCOSORB® FS-NRL

## FLAT ABSORBER

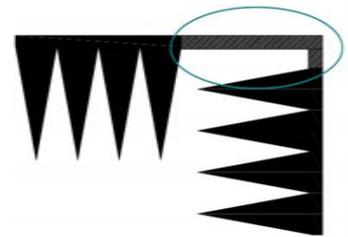
### Description

ECCOSORB FS is a low-cost, solid, flat-sheet foam absorber which is available in various thicknesses and conductivities. Basically it is a uniform carbon-impregnated flexible foam material which can be easily glued together to suit various locations and applications. The NRL-suffix refers to its compliance with the fire retardancy requirements of the U.S. Naval Research Laboratory (NRL) test 8093.



### Application

Typically, ECCOSORB FS is used in Antenna, RCS and EW anechoic chambers to cover corners and difficult to cover areas. The optimal layout depends on the precise chamber dimensions and test configuration.



### Physical properties

	ECCOSORB FS
Standard color	Blue
Base size (cm)	61 x 61
Max service temperature	90°C
Power handling	1.5 kW / m <sup>2</sup>
Fire retardancy	NRL 8093 Test 1, 2 and 3, DIN 4102 Class B2, ISO 11925-2

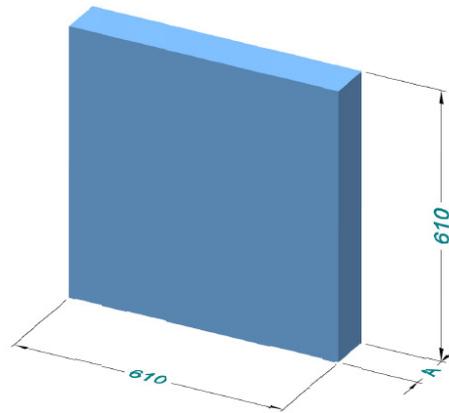
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### ■ Nominal dimensions and weights of ECCOSORB FS



	Total height A (cm)
ECCOSORB FS-50	5.0
ECCOSORB FS-100	10.0
ECCOSORB FS-150	15.0
ECCOSORB FS-200	20.0

### ■ Availability

ECCOSORB FS is available in different grades according to performance and base thickness of the pyramidal absorber that is combined with the FS absorber. ECCOSORB FS is a black material. The surfaces are painted with a fire-retardant light blue paint. On special order, other colours, such as white, can be made available or the pieces can be left unpainted.

### ■ Instructions for use

The absorber can be mounted on surfaces in various ways: by the use of our contact adhesive E&C ADHESIVE 13111, velcro fasteners or Z-bars. In case of velcro fasteners, the absorber panels are provided with velcro on the back. In case of Z-bars, the absorber panels are delivered glued to a supporting plate with hooks. The material is designed for indoor use only.

**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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