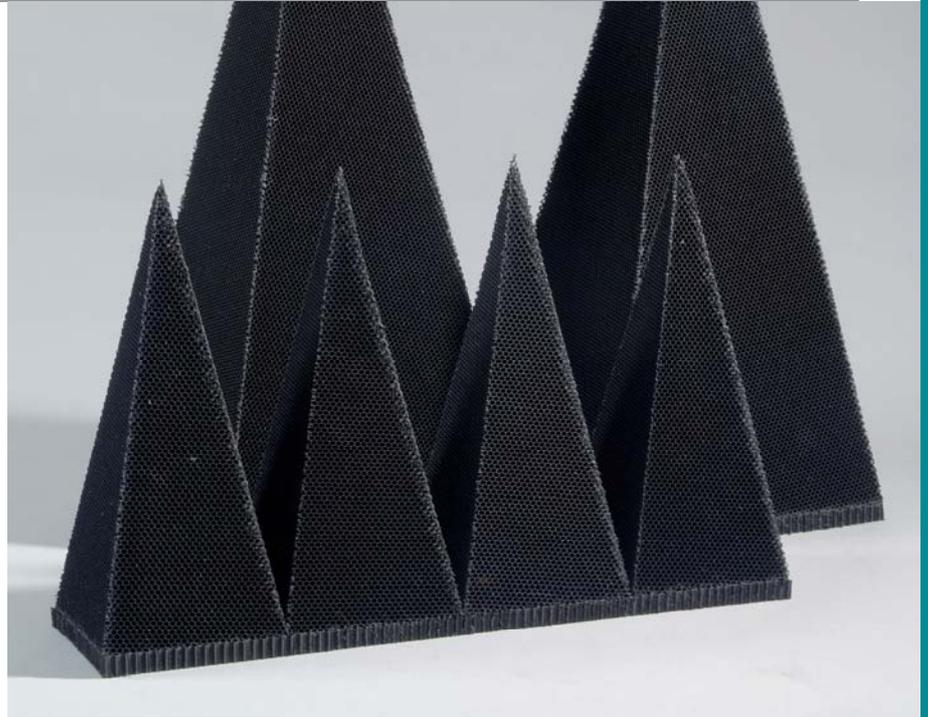


ECCOSORB® HFX-HC

HIGH POWER BROADBAND PYRAMIDAL ABSORBER

■ Description

ECCOSORB HFX-HC is a series of hollow pyramidal absorbers designed for high-power applications. It is made up of lossy honeycomb material with high fire retardant properties.



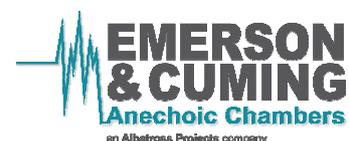
■ Application

ECCOSORB HFX-HC is a high-power absorber which can be used to line partially or totally specific high-power densities areas of anechoic chambers. This absorber can be used for Near-field scanner applications where high-power densities are often met. It can be used also to line the surroundings of feed sources of Compact Antenna Test Ranges. The honeycomb structure of ECCOSORB HFX-HC is made out of high fire retardant material and can be easily ventilated to allow higher power illumination.

■ Physical properties

	ECCOSORB HFX-HC
Standard color	Black
Base size (cm)	61 x 61
Max service temperature	170°C
Power handling	15 kW / m ²

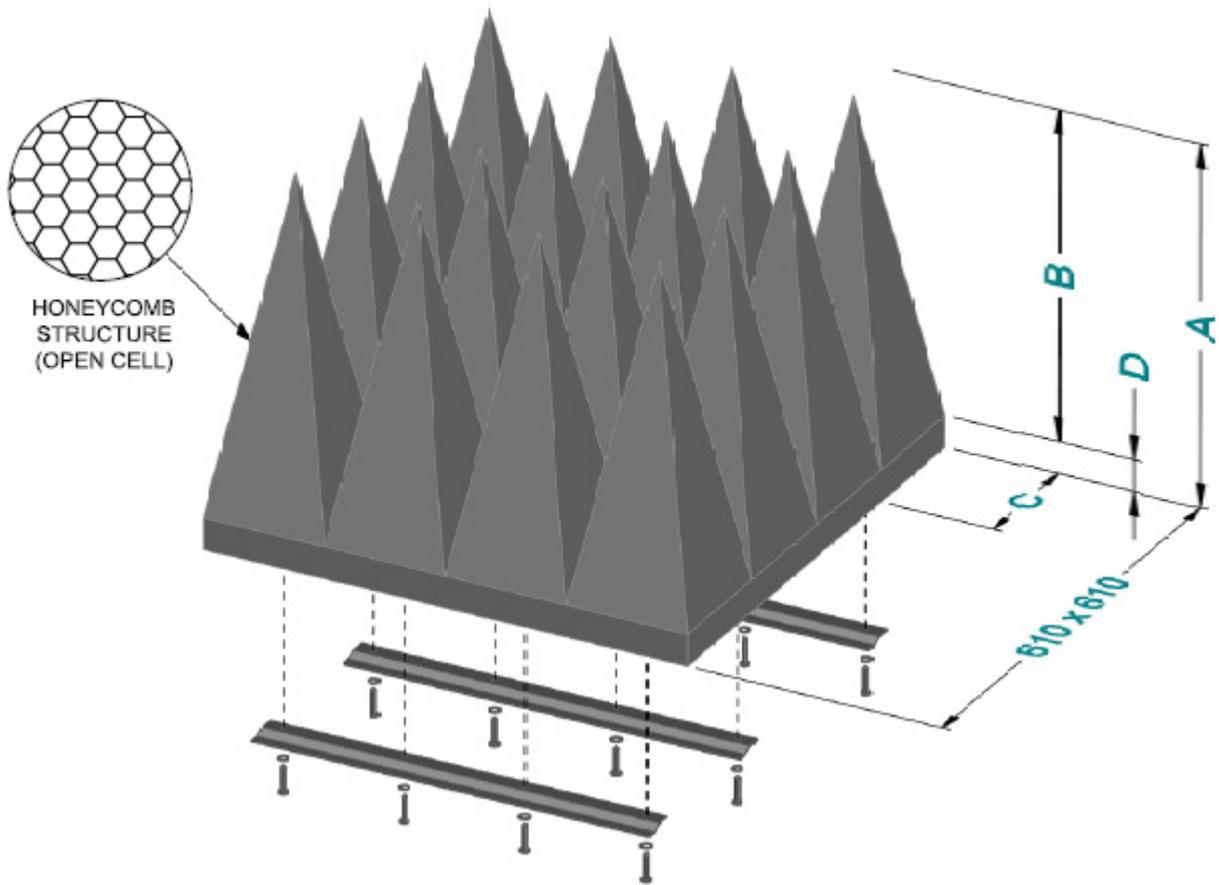
E&C Anechoic Chambers NV
 Nijverheidsstraat 7A - B-2260 Westerlo
 Tel.: +32 14 59 58 00 - Fax: +32 14 59 58 01
 info@ecanechoicchambers.com
 www.ecanechoicchambers.com



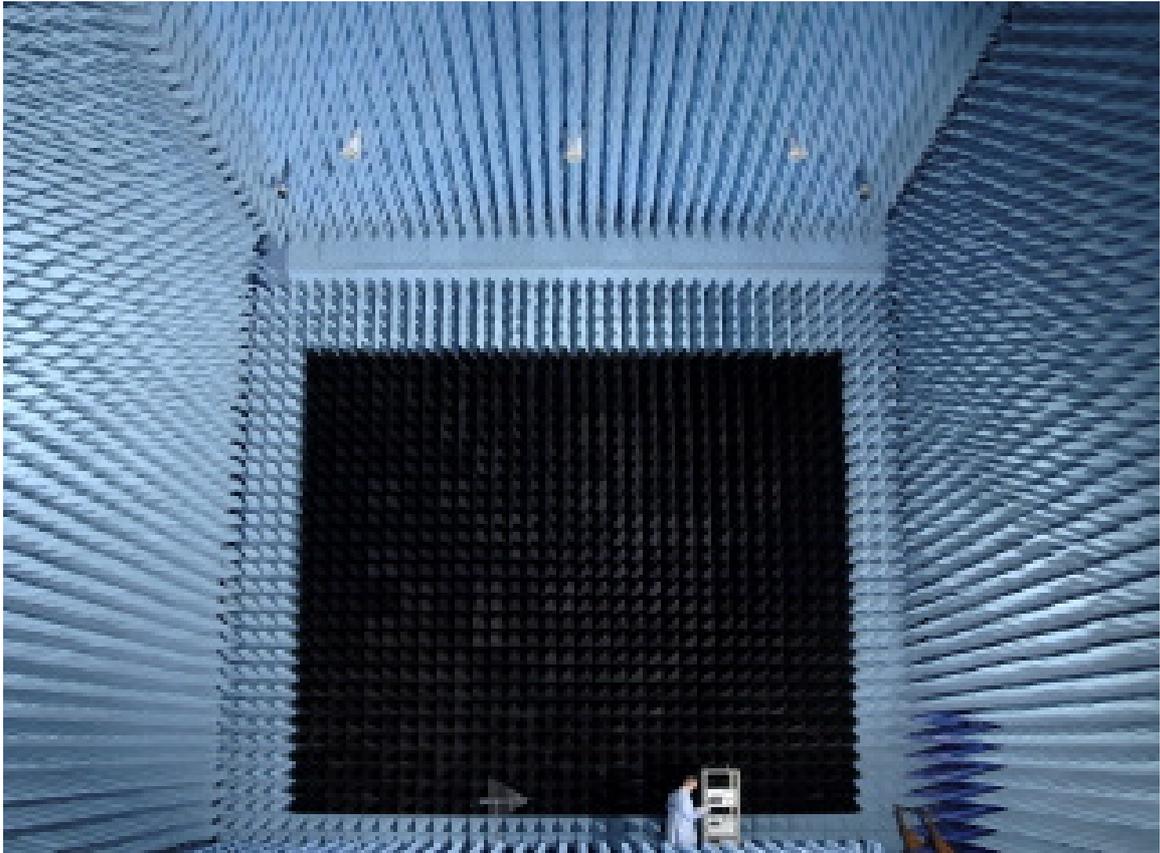
ECCOSORB® HFX-HC

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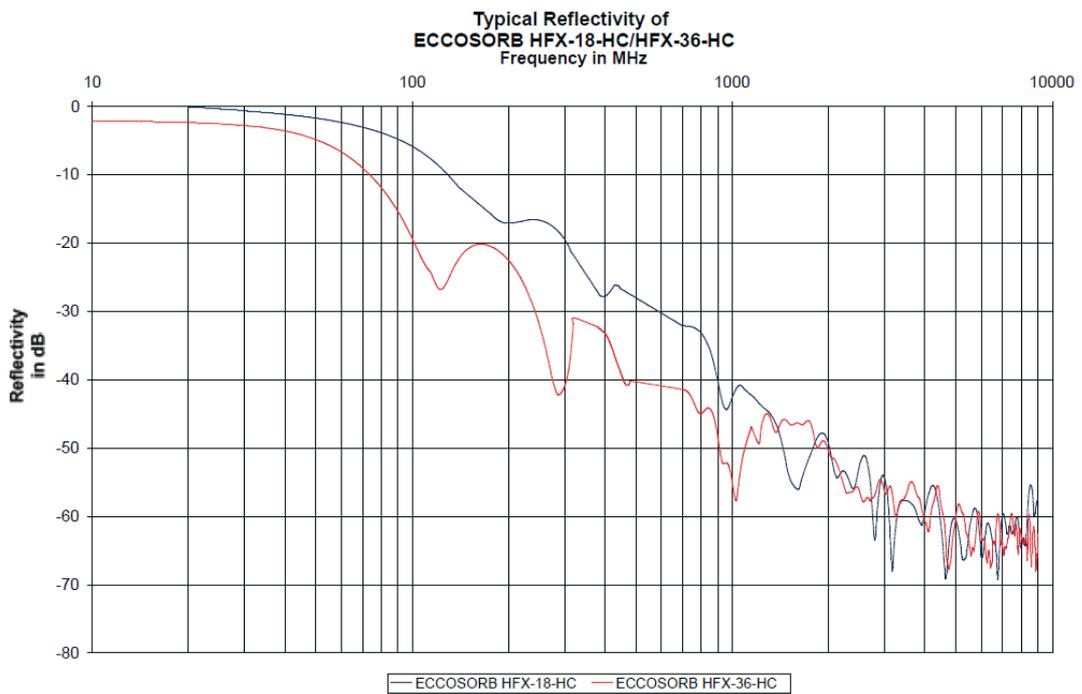
Nominal dimensions and weights of ECCOSORB HFX-HC



	Total height A (cm)	Pyramid height B (cm)	Pyramid width C (cm)	Base height D (cm)	Number of pyramids per piece	Nominal weight (kg)
ECCOSORB HFX-18-HC	45.7	43.7	15.2	2.0	16	4.8
ECCOSORB HFX-36-HC	91.5	89.5	30.5	2.0	4	-



■ Electromagnetic properties



ECCOSORB® HFX-HC

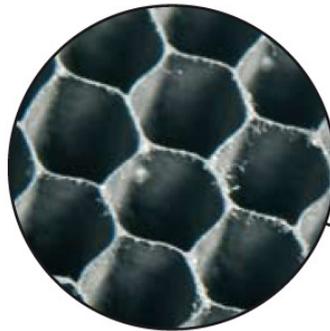
HIGH POWER BROADBAND PYRAMIDAL ABSORBER

■ Availability

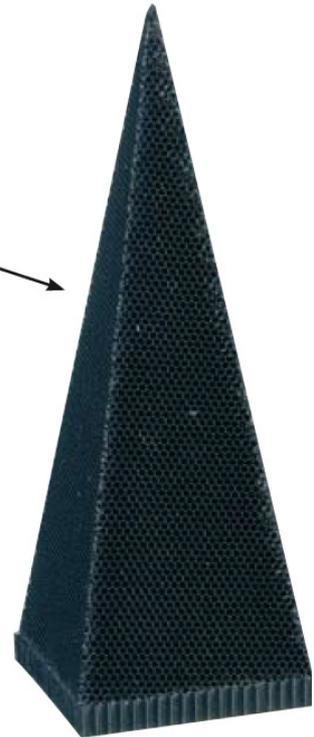
ECCOSORB HFX-HC is available in two standard pyramid heights: 18 and 36 inches. Compared to common pyramidal absorbers such as ECCOSORB VHP (see technical bulletin EB-100), the power handling capability is larger due to the hollow shape (versus the solid shape of the standard material), the openness of the honeycomb material (allowing free air circulation) and the higher maximum service temperature. In addition, the product lends itself easily to forced air cooling.

■ Instructions for use

The preferable way of installation is the use of our special mechanical rail-and-hook supporting system. This installation mode is compatible with forced air ventilation and will provide a secure fitting of the absorber panel adapted to elevated service temperatures.



Structure detail



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.

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E&C ANECHOIC CHAMBERS NV, Nijverheidsstraat 7A, B-2260 Westerlo, Belgium.

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