ECCOSORB® HHP-60-NRL

HIGH PERFORMANCE BROADBAND HOLLOW PYRAMIDAL ABSORBER

Description

ECCOSORB HHP-60 is a hollow, pyramidal shaped, carbon-loaded, polyurethane foam absorber.
This absorber is intended principally for use in anechoic chambers.
The NRL-suffix refers to its compliance with the fire retardancy requirements of the U.S. Naval Research Laboratory (NRL) test 8093.

Application

ECCOSORB HHP-60 is a preferred solution for anechoic chambers which require a light-weight absorber and a very good performance, starting at low frequencies (from 100 MHz). The light weight of this absorber is enhanced by the fact that the absorber is hollow. The excellent performance of ECCOSORB HHP-60 is due to many design features:

- The hollow design produces scattering of energy which is reflected from the surface. This effect and the actual absorption of energy contributes to the high reduction of specular reflection.
- The thick wallmaterial of the pyramids provides impedance matching at all frequencies.
- The geometrical shape of the absorber provides impedance matching at the longer wavelengths.

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EMERSON & CUMING Anechoic Chambers
an Albatross Projects company

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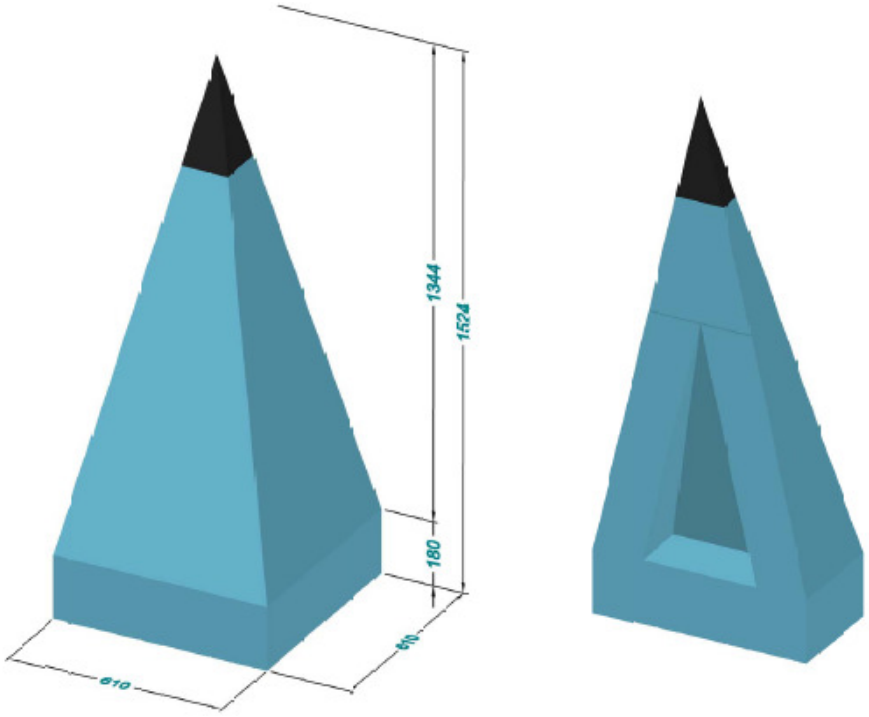
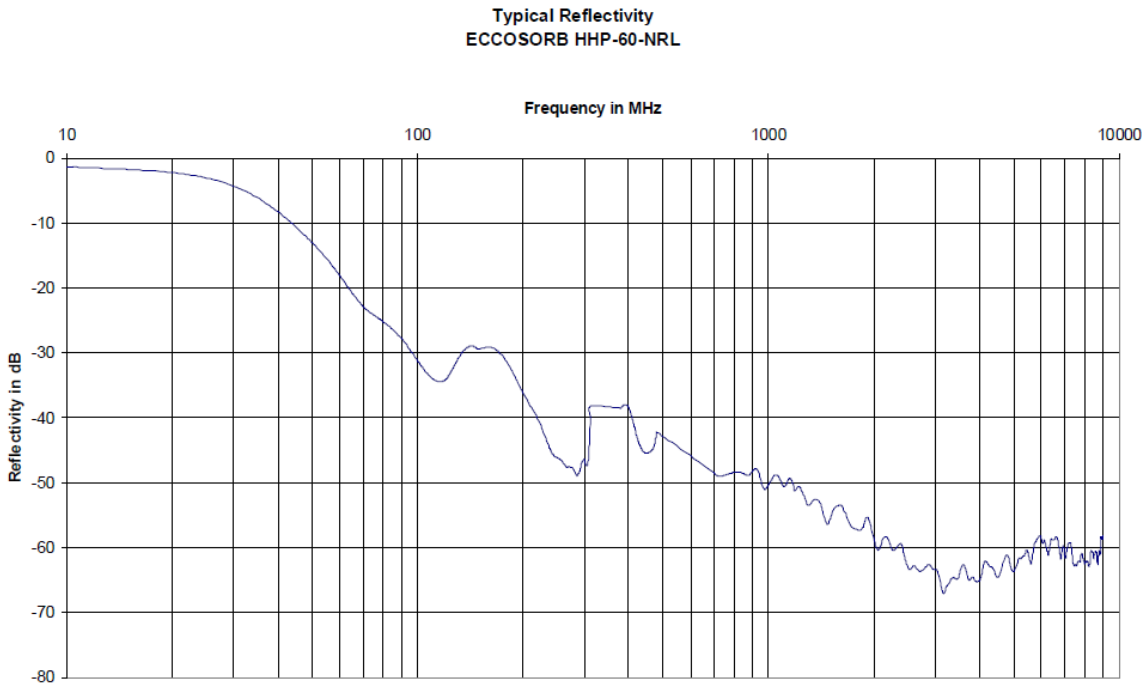
Physical properties

	ECCOSORB HHP-60
Standard color	Blue
Base size (cm)	61 x 61
Max service temperature	90°C
Power handling	1,5 kW / m²
Fire retardancy	NRL8093 Tests 1, 2 and 3, DIN 4102 Class B2, ISO 11925-2

Nominal dimensions of ECCOSORB HHP-60



Electromagnetic properties



Availability

ECCOSORB HHP-60 is available in pieces with base dimensions of 61 x 61 cm.
ECCOSORB HHP-60 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

ECCOSORB HHP-60 is typically bonded to the surfaces using our Z-bar mounting.
The absorber panels are delivered glued to a supporting plate with hooks. Pieces to cover the floor may simply be put into place. The material is designed for indoor use only.

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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.

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