

# ECCOSORB® VHP-FL

FLOOR VERSION OF ECCOSORB VHP FOR WALKWAYS

## ■ Description

ECCOSORB VHP-FL is the floor version of ECCOSORB VHP, designed with a flat front surface which can be walked upon to provide access to quiet zones within the anechoic chamber. It consists of pieces of ECCOSORB VHP having wedges of rigid foam filling the spaces between pyramids. The block is covered with a highly fire retardant polyvinyl-chloride skin.



## ■ Application

ECCOSORB VHP-FL is specifically designed for surfaces providing access within anechoic chambers such as floors. It is a high-quality absorber used in anechoic chambers or wherever a high degree of microwave absorption is necessary. When operating at the lower end of its frequency performance, i.e. when the thickness is less than half the wavelength, the absorber should be backed with a metal surface. E&C Anechoic Chambers NV can provide this option on request. For applications in which the absorber is thick compared to the wavelength, metal backing is not required.

## ■ Physical properties

	ECCOSORB VHP-FL
Standard color	Black
Base size (cm)	122 x 61
Max service temperature	90°C

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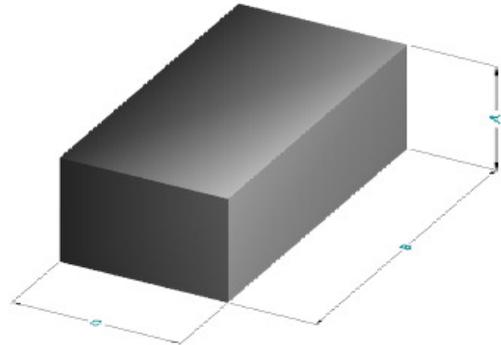


# ECCOSORB<sup>®</sup> VHP-FL

## FLOOR VERSION OF ECCOSORB VHP FOR WALKWAYS

### Nominal dimensions and weights of ECCOSORB VHP-FL

	Total height A (cm)	Total length B (cm)	Total width C (cm)	Nominal weight (kg)
VHP-4-FL	18.0	122.0	61.0	6.0
VHP-8-FL	26.0	122.0	61.0	8.0
VHP-12-FL	37.0	122.0	61.0	11.0
VHP-18-FL	54.0	122.0	61.0	16.0
VHP-26-FL	74.0	122.0	61.0	19.0
VHP-36-FL	99.0	122.0	61.0	28.0



### Electromagnetic properties

The reflectivity of a particular grade of ECCOSORB VHP-FL corresponds to that of the initial ECCOSORB VHP, used to make the piece, with the following limitations: at UHF-frequencies, the performance is identical; at microwave frequencies, the performance will deteriorate by 10 - 15 dB; for all grades, the reflectivity is limited to about -35 dB at high frequencies.

### Availability

ECCOSORB VHP-FL is available in several grades, corresponding to the grades of ECCOSORB VHP. The piece is a rectangular volume with a polyvinyl-chloride skin on top and side surfaces. The rear surface consists of the back surfaces of the two ECCOSORB VHP pieces used to make the assembly; the side skin surfaces extend to the bottom of the piece.

### Instructions for use

Since ECCOSORB VHP-FL is designed for floors, it may simply be placed on the floor or can be bonded in place using E&C ADHESIVE 13111. Using this adhesive, the absorber can readily be bonded to metal, wood and common plastics or plastic composites.

It is recommended to use the ECCOSORB VHP-FL sparingly in an anechoic chamber. Minimum walkway is recommended and positioning along walls rather than in the middle of the chamber. The source and quiet zone should be approached from the side or from behind, thus avoiding applying ECCOSORB VHP-FL between source and quiet zone.

It should be considered using two individual access doors having short walkways rather than having a walkway extend the length of the anechoic chamber. E&C Anechoic Chambers NV can recommend you the most optimal solutions for your particular application.

**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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