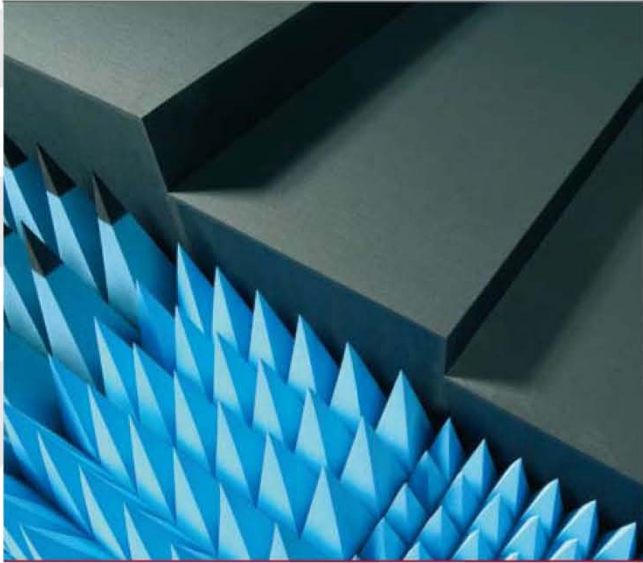


■ **Description :**

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.

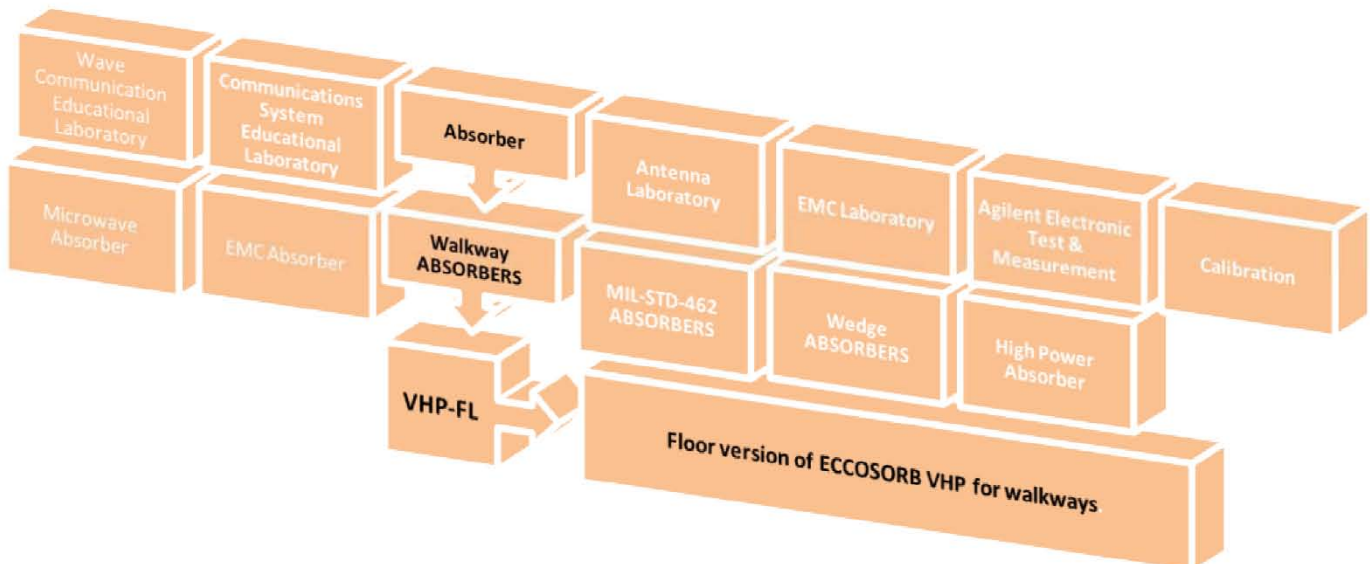


■ **Application :**

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. Emerson & Cuming Microwave Products NV can provide this option on request. For applications in which the absorber is thick compared to the wavelength metal backing is not required.

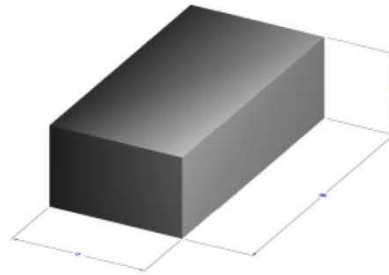
■ **Physical properties :**

	VHP-FL
Standard Colour	Black
Base size (cm)	122 x 61
Max Service Temperature	90°C



■ **Nominal dimensions and weights of Eccosorb VHP-FL**

Eccosorb VHP-FL grade	Total height A (cm)	Total weight B (cm)	Total width C (cm)	Nominal weight (kg)
VHP-4-FL	18	122	61,0	6,0
VHP-8-FL	26	122	61,0	8,0
VHP-12-FL	37	122	61,0	11,0
VHP-18-FL	54	122	61,0	16,0
VHP-26-FL	74	122	61,0	19,0
VHP-36-FL	99	122	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 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 Eccostock 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.

Emerson & Cuming Microwave Products NV can recommend you most optimal solutions for your particular application.

