

# ECCOSORB® VX-NRL

## TRUNCATED PYRAMIDAL ABSORBER

### Description

ECCOSORB VX is a solid, flat-top, pyramidal shaped, carbon-loaded, urethane foam absorber. This absorber has been especially designed to meet the absorber reflectivity requirements specified in MIL-STD-462. The NRL-suffix refers to its compliance with the fire retardancy requirements of the U.S. Naval Research Laboratory (NRL) test 8093.



### Application

ECCOSORB VX offers excellent performance starting from 80 MHz with a reduced height and is optimal for use in chambers which have to comply with MIL-STD-462.

### Physical properties

	ECCOSORB VX
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

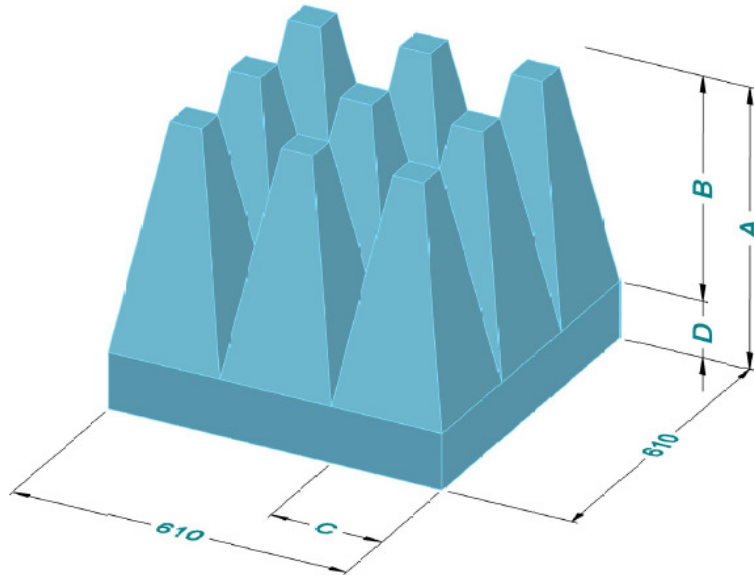
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- Nominal dimensions of ECCOSORB VX

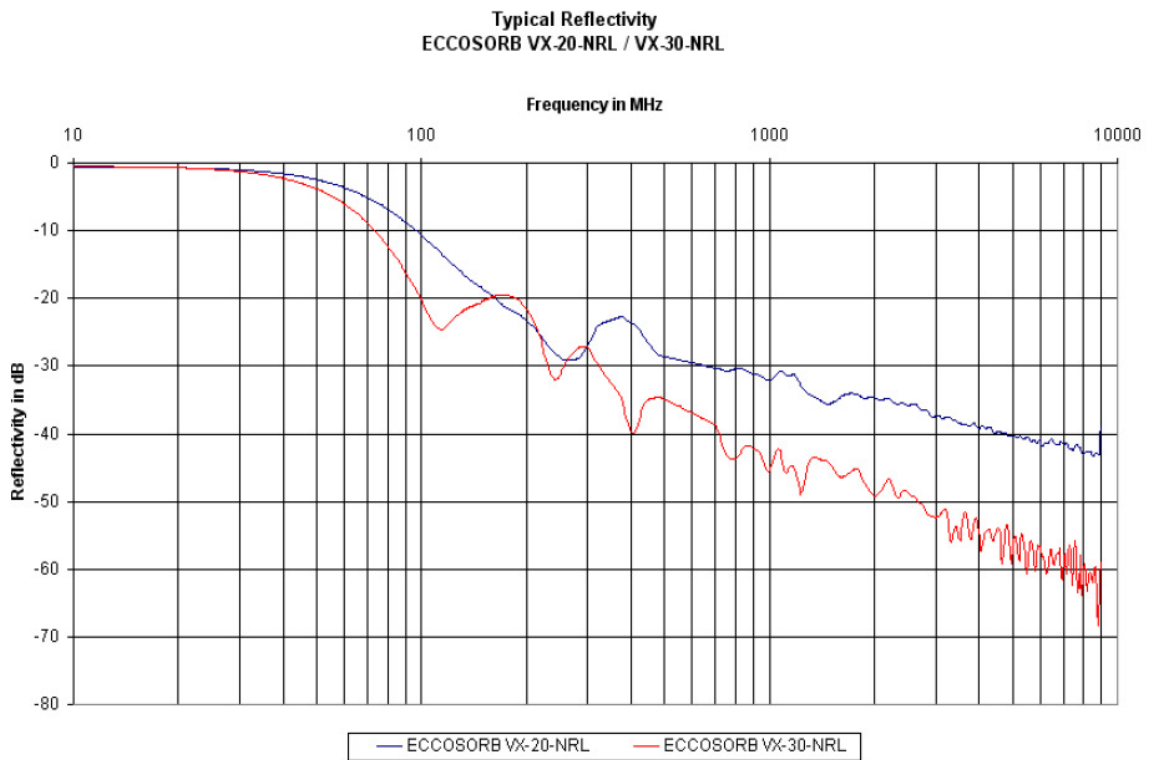


	Total height A (cm)	Pyramid height B (cm)	Pyramid width C (cm)	Base height D (cm)	Number of pyramids per piece	Nominal weight (kg)
ECCOSORB VX-20	50.8	40.6	20.3	10.2	9	4.8
ECCOSORB VX-30	76.2	61.2	30.5	15.0	4	7.0

■ **Electromagnetic properties**

The table below shows the guaranteed maximum reflectivity of the different ECCOSORB VX-grades.

	Above 80 MHz	Above 150 MHz
ECCOSORB VX-20	-6 dB	-15 dB
ECCOSORB VX-30	-10 dB	-15 dB



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### ■ Availability

ECCOSORB VX is available in pieces with base dimensions of 61 x 61 cm. There are two standard grades: ECCOSORB VX-20 with a height of 50.8 cm and ECCOSORB VX-30 with a height of 76.2 cm.

ECCOSORB VX 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. The preferable ways are the use of our contact adhesive E&C ADHESIVE 13111 or the use of 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.

**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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