

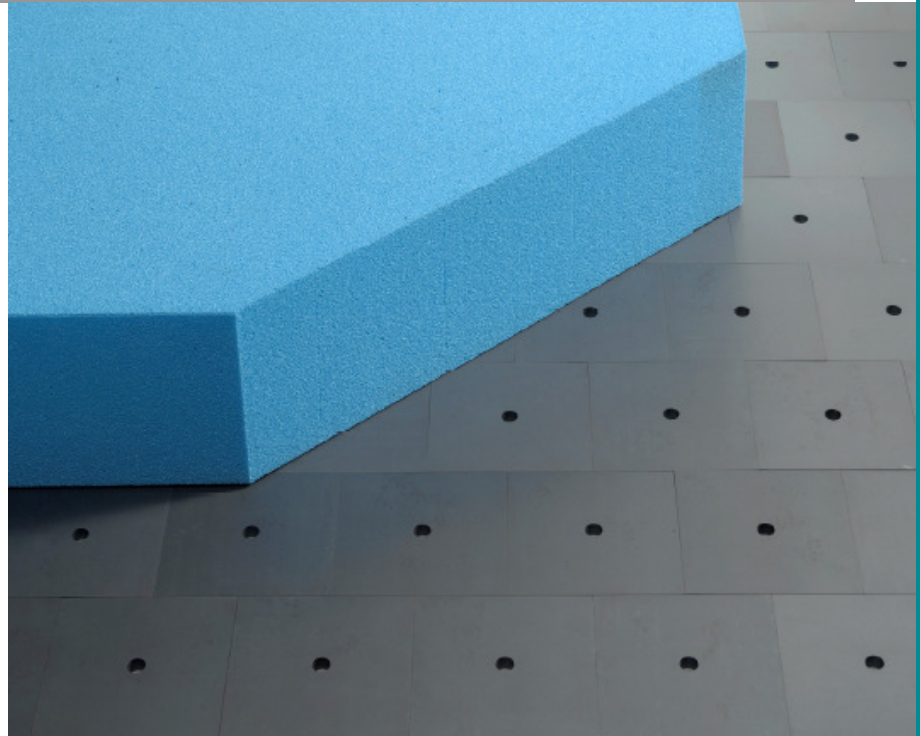
ECCOSORB® FHY-NRL

FLAT HYBRID ABSORBER

Description

ECCOSORB FHY is a thin, flat, multi-layered, hybrid absorber which has been designed for use in EMC test chambers. It consists of a thin lightweight matching layer and a flat resistive top part. It is meant to be used on top of ferrites and provides adequate performance for use in EMC test chambers in the frequency range from below 30 MHz up to 2 GHz. For suitable ferrite part, we refer to technical bulletin EB-150.

If a broadband performance from below 30 MHz to over 30 GHz is required, the best possible absorber choices are ECCOSORB VHY (see technical bulletin EB-140) or ECCOSORB HX (see technical bulletin EB-125), depending on the available space.



Application

Typically, ECCOSORB FHY is used in EMC test chambers which have an extended frequency range up to 2 GHz. The optimum layout depends on the precise chamber dimensions and test configuration.

Physical properties

	ECCOSORB FHY
Standard color	Blue
Base size (cm)	60 x 60
Thickness (cm)	10
Max service temperature	90°C
Fire retardancy	NRL8093 Tests 1, 2 and 3, DIN 4102 Class B2, ISO 11925-2

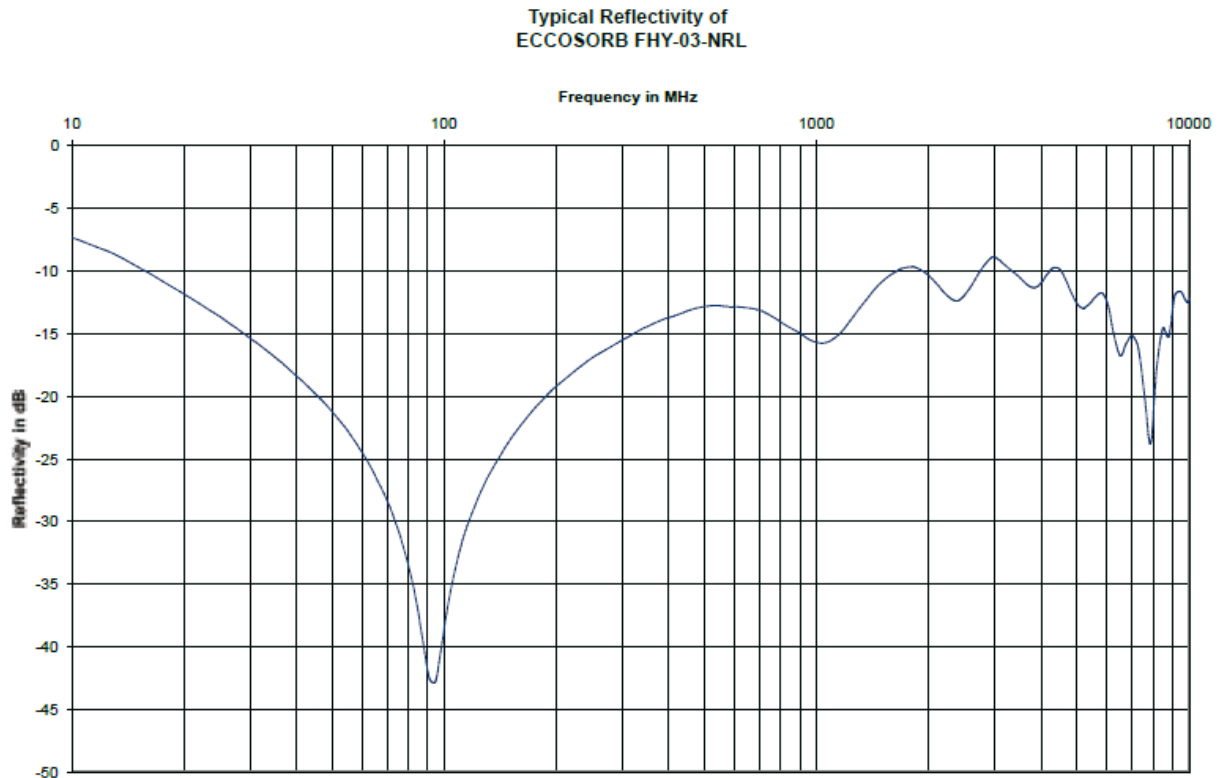
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■ Electromagnetic properties



■ Availability

ECCOSORB FHY is available in two grades according to the required performance, namely ECCOSORB FHY-03 and FHY-04. For both grades, the ferrite layer consists of 10 x 10 cm precision ferrite tiles which have to be glued or screwed carefully.

The dimensions of the materials may vary according to the absorber layout of the chamber. Please consult E&C Anechoic Chambers NV for detailed information.

■ Instructions for use

ECCOSORB FHY is typically bonded to the ferrite surface using either E&C ADHESIVE 13111 or velcro fastener.

Pieces to cover the floor may simply be put into place or may be bonded to the surface. The material is designed for indoor use only.

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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