

### ■ 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 refer to Technical Bulletin EB-150. If a broadband performance from below 30MHz to over 30GHz is required the best possible absorber choices are Eccosorb VHY-NRL (see Technical bulletin EB-140) or Eccosorb HX-NRL (see Technical bulletin EB-125) depending on the available space.

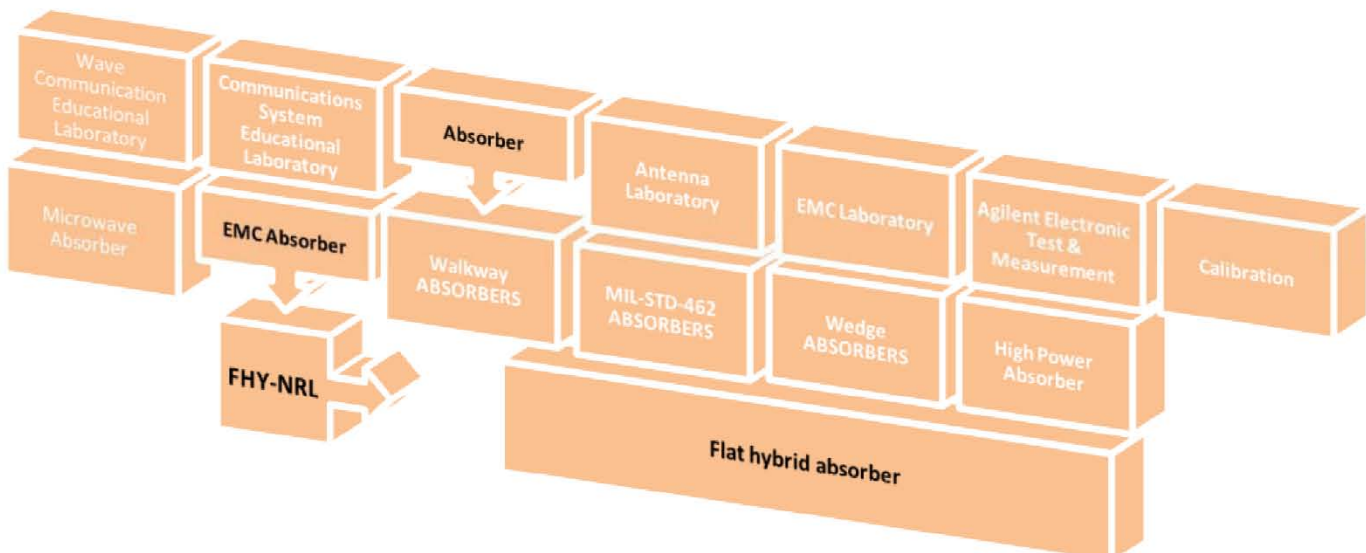


### ■ Application :

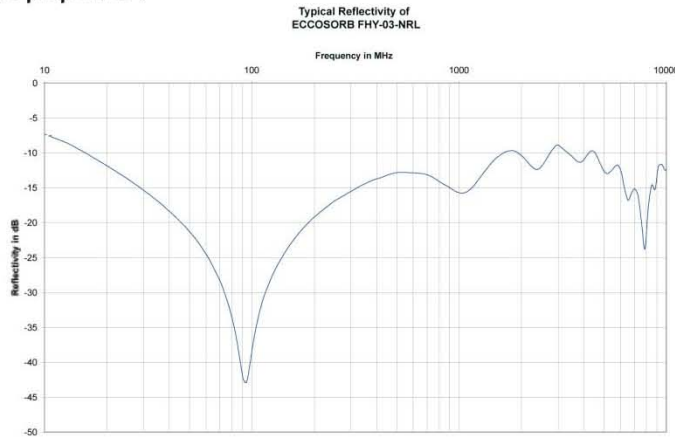
Typically ECCOSORB FHY is used in EMC test chambers which have an extended frequency range up to 2 GHz. The optimum lay-out depends on the precise chamber dimensions and test configuration.

### ■ Physical Properties :

	FHY-NRL
Standard Colour	Blue
Base size (cm)	60 x 60
Thickness (cm)	10
Max Service Temperature	90°C
Fire retardancy	NRL8093 Tests 1, 2 & 3, DIN 4102 Class B2, ISO 11925-2



■ **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 cm x 10 cm precision ferrite tiles which have to be glued or screwed carefully. The dimensions of the materials may vary according the absorber lay-out of the chamber. Please consult EMERSON & CUMING MICROWAVE PRODUCTS N.V. for detailed information.

■ **Instructions for use :**

ECCOSORB FHY is typically bonded to the ferrite surface using either Eccostock 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.

