

# ECCOSORB® FT

THIN FERRITE ABSORBER TILES FOR 10 MHz TO 1 GHz

## ■ Description

ECCOSORB FT material is a series of sintered ferrite absorber tiles. It is highly effective in the 10 - 1.000 MHz band as a free-space wave absorber and/or a surface current suppressor. For maximum effectiveness, the material should be in close contact with a metallic backing.



## ■ Application

- Suppression of resonances in shielded enclosures.
- Anechoic lining of compact EMC test rooms. In this case, tiles are the back layer part of a hybrid absorber layout type ECCOSORB VHY-12.

## ■ Physical properties

	ECCOSORB FT
Standard color	Grey
Base size (cm)	10 x 10
Max service temperature	50°C

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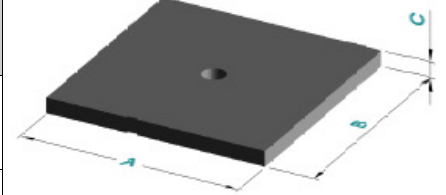


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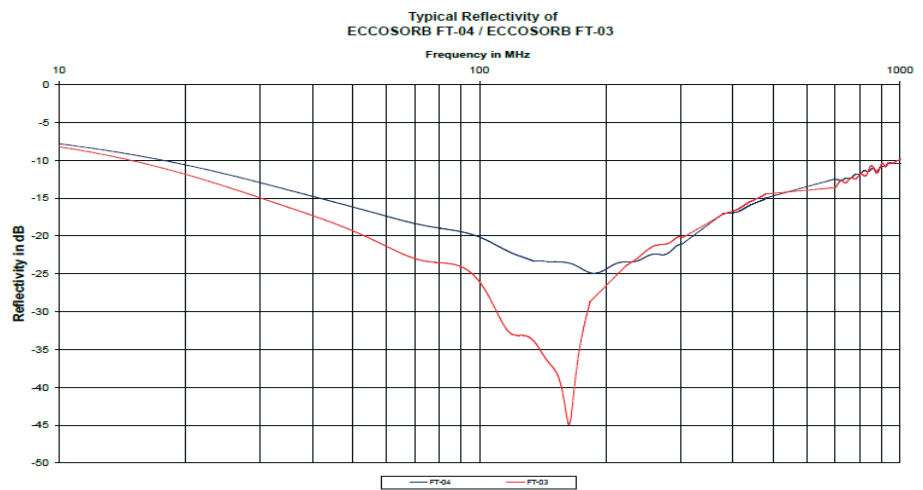
### Nominal dimensions and weights of ECCOSORB FT

	Total height A (mm)	Total height B (mm)	Total width C (mm)	Hole diameter (mm)	Nominal weight (kg)
ECCOSORB FT-03	6.7	100.0	100.0	10.0	0.33
ECCOSORB FT-04	6.0	100.0	100.0	10.0	0.30



### Electromagnetic properties

This graph shows the normal-incidence reflectivity of metal-backed ECCOSORB FT-03 and FT-04 in the 10 - 1.000 MHz band as measured on single-piece coaxial samples. Hence, the performance degradation due to air gaps between individual tiles on a chamber is not taken into account.



### Availability

ECCOSORB FT is available in square tiles of 10 x 10 cm. It comes in two grades: ECCOSORB FT-03 and FT-04, having a different frequency response. There is no distinction between the front and the back face, so the material can be used with whatever face up.

### Instructions for use

ECCOSORB FT can be installed by mechanical means (both ECCOSORB FT-03 and FT-04 have a hole in the middle) or by using adhesive. The recommended adhesive for permanent attachment to a metallic surface, is E&C ADHESIVE 5124 (see technical bulletin EK-160).

**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.

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