



NUMBER EB-103

TECHNICAL BULLETIN

ECCOSORB* VX-20

SOLID FLAT-TOP PYRAMIDAL ABSORBER

Description :

ECCOSORB VX-20 is a solid flat-top pyramidal absorber of 0.5 m thickness which has been especially designed to meet the absorber reflectivity requirements specified in MIL-STD-462D.

Availability :

ECCOSORB VX-20 is available in panels of 0.61 m x 0.61 m base size and can be delivered with a supporting plate with mounting hooks. The standard grade is ECCOSORB VX-20-NRL where the NRL suffix refers to the U.S. Naval Research Laboratory (NRL) 8093 specification. A special grade VX-20-B1 is also available where the B1 suffix refers to the DIN 4102 standard.

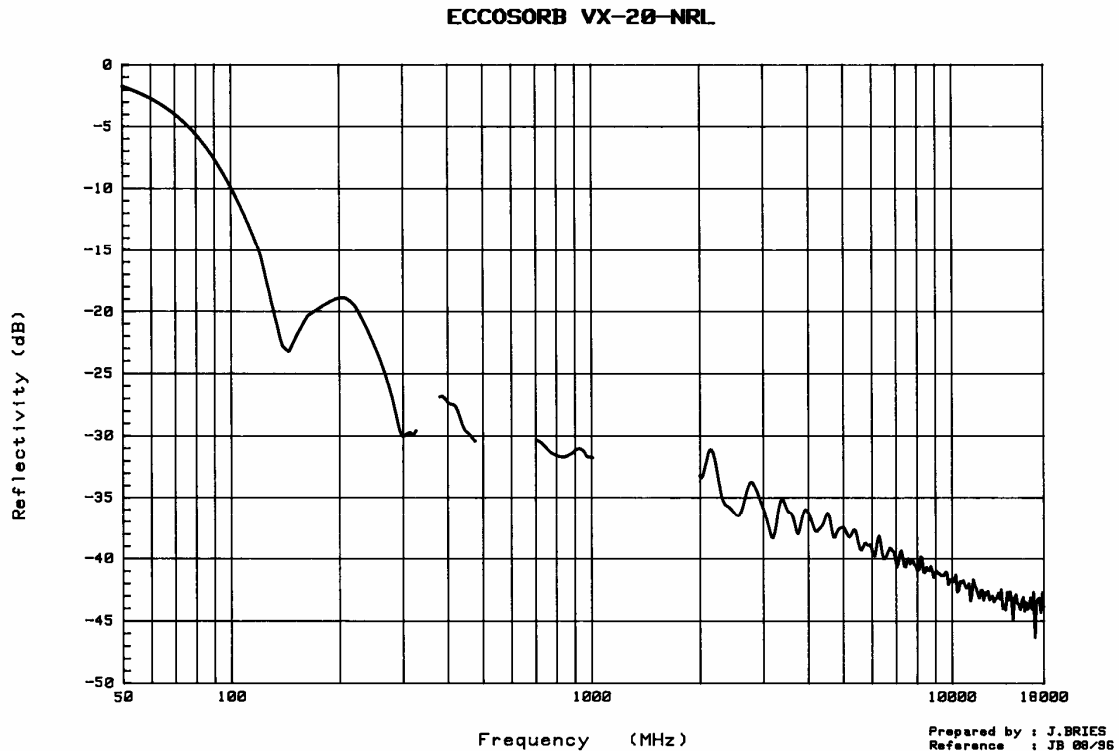
Suggested End Use :

ECCOSORB VX-20 is a very cost effective solution to line compact anechoic chambers which are to be used for immunity testing according to IEC 1000-4-3 or ENV 50140 and/or for precompliance emission testing.

Technical properties of standard grade:

| | | |
|---------------------------------|---|--|
| Colour | | white or blue |
| Net weight | | 4.5 kg |
| Gross weight | (including supporting plate 0.61 x 0.61 m) | 7.5 kg |
| Height | | 0.5 m |
| Maximum reflectivity (Figure 1) | | -6 dB above 80 MHz -15 dB above 150 MHz |
| Fire retardancy NRL 8093 | | Test 1,2,3 |
| Maximum service temperature | | 90 °C |
| Power handling capability | | 1.5 kW/m ² |
| AIRBUS (ATS 1000.001) | | Smoke density & toxicity |

FIGURE 1 : Reflectivity curve 50 MHz - 18 GHz :



Instructions for Use :

This absorber can be mounted in various ways. The preferable ways are the use of our contact adhesive ECCOSTOCK** Adhesive 13111 (see T.B. EK-190) or the use of our rail-and-hook system.

Safety Considerations :

It is recommended to consult the EMERSON & CUMING MICROWAVE PRODUCTS N.V. product literature, including material safety data sheets, prior to use EMERSON & CUMING MICROWAVE PRODUCTS N.V. products. These may be obtained from your local sales office.

(ECCOSORB* is a registered trademark of EMERSON & CUMING MICROWAVE PRODUCTS N.V.)
(ECCOSTOCK** is a registered trademark of EMERSON & CUMING MICROWAVE PRODUCTS N.V.)

Rev. 01/1997

WARRANTY :

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 LIMITED 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 to use them as a recommendation for any use which would violate statutory obligations or infringe any patent or copyright.