

EMC Absorber
DuraSorb[™]
**Polystyrene
Hybrid Absorber**

Model DSH-1250H

FEATURES:

- 30 MHz to 40 GHz Frequency Range
- For ANSI C63.4 and CISPR
- Durable Construction, Precision Installation Design
- Non-hygroscopic, Fire Resistant



ETS-Lindgren's DuraSorb Model DSH-1250H Polystyrene Hybrid Absorber shown with optional white cap.

ETS-LINDGREN'S DURASORB DSH-1250H ABSORBER is the latest evolution of ETS-Lindgren's low profile, hybrid anechoic absorber technology. It combines the advantages of the proven FerroSorb performance with the physical properties of the PS Series absorbers. DuraSorb is constructed using substrates with rigid, closed cell foams, which are loaded volumetrically and uniformly throughout the absorbers. DSH-1250H is ideal for 5m range and 10m range chambers.

**FEATURES
Frequency Range**

The DSH-1250H provides a smooth transition from free space imped-

ance to the lossy ferrite tile base. As a result of its optimized design, high performance is guaranteed not only at the lower frequency band, but also at above 1 GHz.

Meets Multiple Standards

The absorption levels make DuraSorb ideal for treating semi-anechoic chambers for 5m and 10m range measurements per the CISPR 16 and ANSI C63.4 standards.

Durable Construction, Designed for Precision Installation

DuraSorb is manufactured by injecting uniformly loaded lossy materials in predetermined geometric shapes to produce the desired

performance. After the lightweight substrates have been molded, they are shipped disassembled to job-sites for reduced shipping volume. Easily assembled at the site, finished absorbers are pressed and glued into a lightweight polystyrene universal mounting base on the walls and ceiling of the chamber. This method assures absorber rows are aligned with geometric precision.

DSH-1250H measures 125 cm (49.2 in) height, and each 60 cm x 60 cm (23.6 in x 23.6 in) standard piece consists of two wedge shaped pyramids.

Non-Hygroscopic, Fire Resistant

DuraSorb is intrinsically non-hygroscopic due to its closed cell design. Furthermore, DuraSorb is engineered to have outstanding fire resistance. The material is treated additionally with environmentally friendly fire retardants beyond what is normally required for construction grade foams. DuraSorb material has been tested to meet the requirements of UL94 HBF and DIN 4102 B2.

STANDARD CONFIGURATION

- DuraSorb Polystyrene Absorber
- PS-1001 Polystyrene Universal Mounting Base
- Ferrite Substrate

OPTIONS

- Polystyrene White Caps



DuraSorb Model DSH-1250H shown in standard configuration.

Physical Specifications

MODEL	HEIGHT ¹	WIDTH	DEPTH	WEIGHT ²
DSH-1250H	125.0 cm 49.2 in	60.0 cm 23.6 in	60.0 cm 23.6 in	8.2 kg 18.0 lb

¹ Height Includes Ferrite Tile Base

² Typical Weight, Does Not Include Ferrite Tile Base

Model DSH-1250H Typical Reflectivity

