



185R West Norwalk Road
Norwalk, CT 06850-4312
PHONE: (203) 866-5888
FAX: (203) 866-6162
Email: help@panashield.com
WEBSITE: www.panashield.com

HYB-NF

HYBRID HIGH RF PERFORMANCE **FIREPROOF** ABSORBER

Description:

HYB-NF is a state of the art, fire proof, self-extinguishing hybrid absorber manufactured from a fibrous composite material, impedance matched for installation to ferrite absorber tiles. The hybrid/ferrite combination provides absorption properties to allow broadband testing from 26 MHz up to 40 GHz, and can withstand field strengths of greater than 300V/m. This absorber provides outstanding performance for RF Anechoic Chambers including:

- Electromagnetic Compatibility Testing
3 Meter, 5 Meter, and 10 Meter Chambers
- Free Space, Antenna Measurement, Wireless
- Commercial, Automotive, Avionics & Military Testing

Dimensions:

HYB-NF hybrid absorber has a base size of 30 cm wide x 30 cm long and is available in various depths from 30 cm to 152 cm, depending on chamber size and frequency range of operation.

Benefits:

- High broadband performance
- Fire Proof, Self-extinguishing
- Non-Toxic Smoke Emitting
- Meets specification JIS A 1322, Incombustibility of Thin Materials for Buildings (UL94)
- Meets Class 10,000 Clean Room Specifications
- Resistant to High Humidity Levels
- Light Weight (6 to 30 ounces)
- Bright White Color
- Easily Removable, attaches to ferrite with Velcro™, tape or contact adhesive



Hybrid on Ferrite Absorber in FCC Filed 3 Meter EMC Chamber



Hybrid on Ferrite Absorber in a Multi-Purpose EMC CISPR25 / MIL461 / Avionics Test Chamber



HYB-NF PERFORMANCE

HYB-NF-12 Normal Incidence Reflectivity when applied to Ferrite Tiles:

30 MHz	100 MHz	300 MHz	500 MHz	1 GHz	3 GHz	5 GHz	10 GHz	18 GHz	40 GHz
-15 dB	-28 dB	-21 dB	-21 dB	-21 dB	-23 dB	-21 dB	-21 dB	-28 dB	-35 dB

HYB-NF-24 Normal Incidence Reflectivity when applied to Ferrite Tiles:

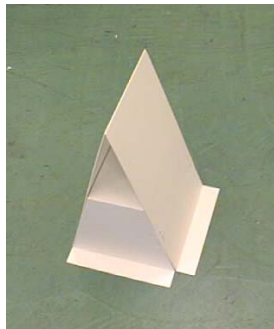
30 MHz	80 MHz	100 MHz	300 MHz	500 MHz	1 GHz	3 GHz	5 GHz	10 GHz	18 GHz	40 GHz
-14 dB	-28 dB	-22 dB	-22 dB	-22 dB	-23 dB	-24 dB	-27 dB	-27 dB	-29 dB	-33 dB

HYB-NF-36 Normal Incidence Reflectivity when applied to Ferrite Tiles:

30 MHz	80 MHz	100 MHz	300 MHz	500 MHz	1 GHz	3 GHz	5 GHz	10 GHz	18 GHz	40 GHz
-15 dB	-28 dB	-24 dB	-22 dB	-26 dB	-33 dB	-25 dB	-34 dB	-30 dB	-35 dB	-37 dB

HYB-NF-48 Normal Incidence Reflectivity when applied to Ferrite Tiles:

30 MHz	100 MHz	300 MHz	500 MHz	1 GHz	3 GHz	5 GHz	10 GHz	18 GHz	40 GHz
-18.6 dB	-24 dB	-23 dB	-25 dB	-35 dB	-32 dB	-34 dB	-37 dB	-38 dB	-40 dB



30 cm Wedge Hybrid



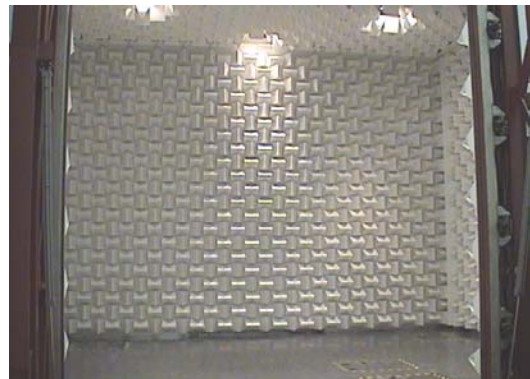
3 Meter Compact EMC Chamber



60 cm and 90 cm Pyramidal Hybrid



MIL 461E Test Chamber



Satellite Test Chamber