

Dinesh Micro Waves & Electronics

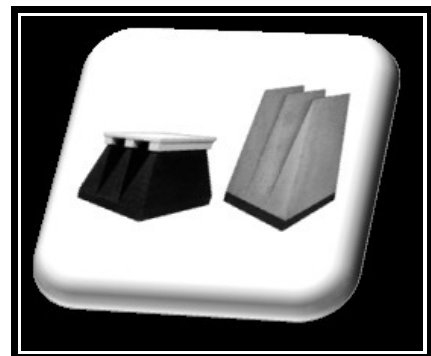
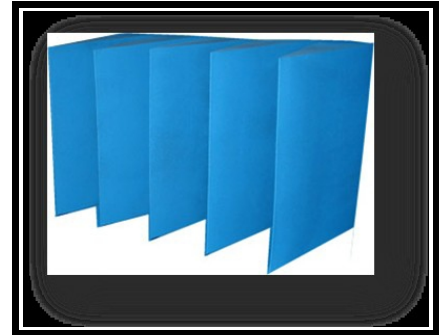
ANECHOIC CHAMBERS(20MHz to 2GHz)

The Wide band Cascade Absorber is a high performance, ultra wide band absorber with an operating frequency of 10MHz to 40 GHz. Small size and light weight but with mechanical strength, it is the perfect absorber solution for higher frequency measurement applications in compact type and 2 meters /6meters fully compliant anechoic chambers. The magnetic resonance loss characteristics of ferrite tiles and dielectric based with a performance matched, wedge shaped absorber. High absorption performance is achieved as Dinesh Microwaves and Electronics is the only absorbers supplier who manufactures and deals with ferrite tiles and resistive absorbers, ensuring exact impedance matching from design to manufacture.

The closed cell structure of the polystyrene produces an even and consistent carbon density throughout the absorber and enhances absorption performance, with a reflection attenuation of greater than 15db and provides exceptional high absorption performance over the operating frequency range from 10MHz to 40 GHz.

Physical and Chemical Characteristics

1. Basic composition : Closed cell styrofoam/ferrite tiles.
2. Mechanical strength and tapers : 3kg/cm² tensile strength and damages will not come to tips
3. Humidity resistance : no deterioration with water and no hydrolysis effect.
4. Chemical stability liquids : not readily attacked by acids, alkalines and petroleum based
5. Product life : 15 years



Dinesh Micro Waves & Electronics

No. 347, (C4 & C5) SLI Complex, 7th Street, Gandhipuram

Coimbatore - 641 012, Tamil Nadu, India

Phone: +(91)-(422)-4371112 / 2694313

Fax: +(91)-(422)-2694313

Mobile: +(91)-9952444222

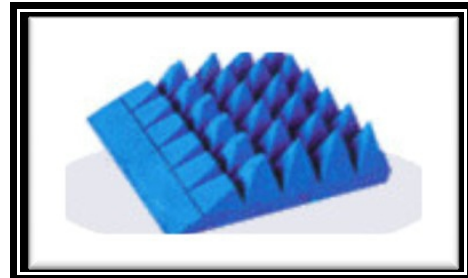
Email: dinesh.microwaves@hotmail.com , dinesh.microwaves@airtelmail.in ,
sathish.varadarajan@airtelmail.in

OBLIQUE INCIDENT ABSORBERS

Dinesh Microwaves and Electronics is the largest supplier of ferrite materials, ferrite products and EMC components and is the undisputable leader in ferrite and cascade radio wave absorber technology. The oblique incident absorber is constructed from carbon loaded, conductive polyethylene foam. It is designed as a pyramidal shaped RF absorbers has exceptional absorption performance for high obloque incident angle as well as nomal and low incidence.

Physical and Chemical Characteristics

1. Basic composition : Closed cell polyethylene and does not soil hands or clothes on.
2. Mechanical strength and tapers : 3kg/cm² tensile strength and damages will not comes to tips
3. Humidity resistance : no deterioration with water and no hydrolysis effect.
4. Product life : 15 years



Dinesh Micro Waves & Electronics

No. 347, (C4 & C5) SLI Complex, 7th Street, Gandhipuram

Coimbatore - 641 012, Tamil Nadu, India

Phone: +(91)-(422)-4371112 / 2694313

Fax: +(91)-(422)-2694313

Mobile: +(91)-9952444222

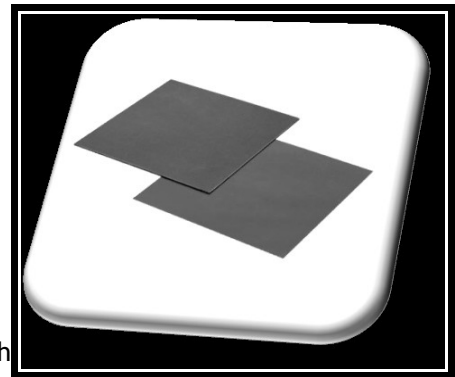
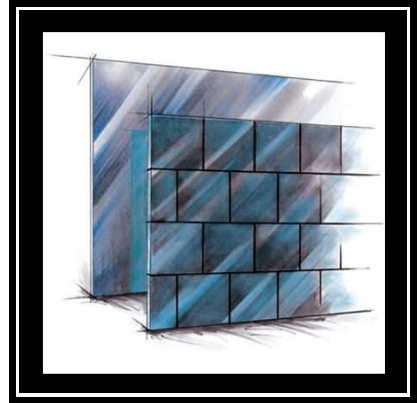
Email: dinesh.microwaves@hotmail.com , dinesh.microwaves@airtelmail.in ,
sathish.varadarajan@airtelmail.in

FERRITE ABSORBERS

The Electromagnetic and ferrite absorbers are utilizes the magnetic resonance loss characteristiv to ferrite. This sintered ferrite has been baked at temperature of over 1000°C and processess physically proberties equivalent to those of external porcelian tiles and extremely thin and thick electromagnetic absorber is 10mm,8mm,6mm and less thick.

Features

1. Thin and thick type wide - band electromagnetic absorber.
2. Highly weather resistant.
3. Like type of building materials.
4. Bending Strength (Pa): 1.4×10^8
5. Tensile Strength (Pa): 3.1×10^9
6. Compression Hardness: 7.8×10^{10}
7. Thermal Expansion Coefficient: 1.1×10^{-5}
8. Thermal Conductivity: 4
9. Specific Heat (J/(kg * K)): 640
10. Chemical Formula: MO, Fe₂, O₃ (M: Metal)
11. Main hazards: No explosion, flammability, reactivity or health hazard



Standards

1. 80mm x 80mmx6mm weight is around 250 grams
2. 100mmx100mmx5mm weight is around 260 grams

Dinesh Micro Waves & Electronics

No. 347, (C4 & C5) SLI Complex, 7th Street, Gandhipuram

Coimbatore - 641 012, Tamil Nadu, India

Phone: +(91)-(422)-4371112 / 2694313

Fax: +(91)-(422)-2694313

Mobile: +(91)-9952444222

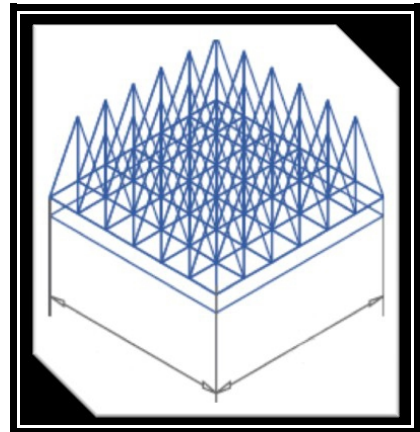
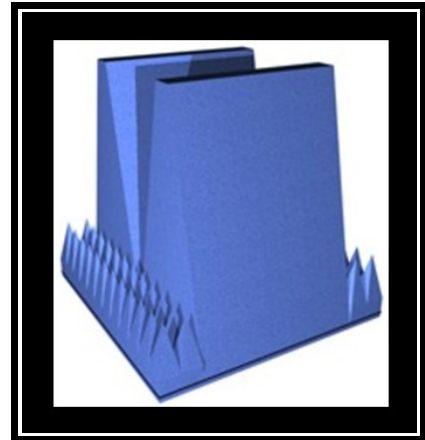
Email: dinesh.microwaves@hotmail.com , dinesh.microwaves@airtelmail.in ,
sathish.varadarajan@airtelmail.in

FERRITE TILE FLOOR PLATE ABSORBER

This ferrite tile floor plate absorber is the radio absorber wave technology and it is constructed from a metal base, tuned dielectric material. Finished with plastic edges and rubber feet and it can be easily removed and handled. Positioned onto the ferrite plate and matched wedge shaped resistive absorber extends the frequency range upto 100GHz.

Physical and Chemical Characteristics

1. Basic composition : Closed cell styrofoam/ferrite tiles.
2. Mechanical strength and tapers : 3kg/cm² tensile strength and damages will not come to tips
3. Humidity resistance : no deterioration with water and no hydrolysis effect.
4. Product life : 15 years



Dinesh Micro Waves & Electronics

No. 347, (C4 & C5) SLI Complex, 7th Street, Gandhipuram

Coimbatore - 641 012, Tamil Nadu, India

Phone: +(91)-(422)-4371112 / 2694313

Fax: +(91)-(422)-2694313

Mobile: +(91)-9952444222

Email: dinesh.microwaves@hotmail.com , dinesh.microwaves@airtelmail.in ,
sathish.varadarajan@airtelmail.in