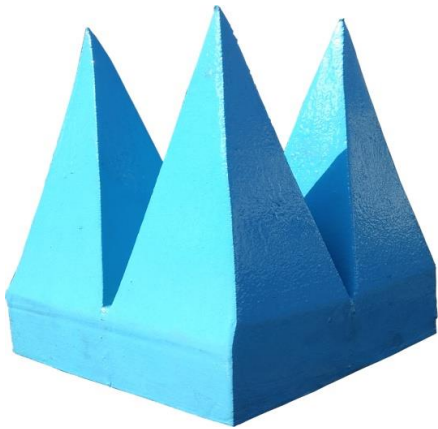


PLASTIC COATED POLYURETHANE FOAM BASED RF MICROWAVE ABSORBERS FOR OUT-DOOR / CLEAN ROOM APPLICATIONS

FEATURES:



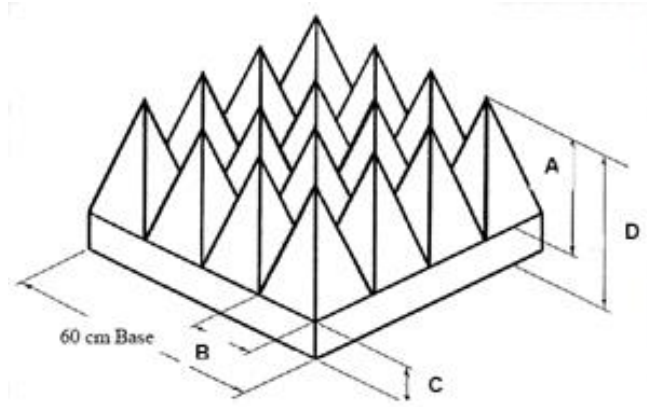
- ❖ Excellent RF performance with weather resistance
- ❖ Absorption over a wide frequency range.
- ❖ Long product life.
- ❖ High performance, up to -50 dB attenuation.
- ❖ These absorbers are supplied with a fire retardant finish
- ❖ Useful for CLEAN Room Conditions

TYPICAL PERFORMANCE OF PYRAMIDAL ABSORBER:

Absorber Type	Thickness (Inches)	Reflectivity (dB) for near normal incidence relative to metal surface of same size at different frequency.					
		250 MHz	500 MHz	1 GHz	3 GHz	10 GHz	18 GHz – 40 GHz
FU-SE-24-PC	24	-20	-35	-40	-50	-50	-50
FU-SE-18-PC	18		-30	-37	-45	-50	-50
FU-SE-12-PC	12			-30	-40	-50	-50
FU-SE-8-PC	8			-25	-35	-50	-50
FU-SE-4-PC	4				-25	-40	-50

FU-SE-X-PC PYRAMIDAL OPEN TEST SITE RF MICROWAVE ABSORBERS:

- ❖ FU-SE-X-PC is a plastic coated weatherproof absorber highly suitable for Open Test Sites. Performance of this Class of Absorber is not affected due to water on to the surface of pyramid. It is resistant to Outdoor weather condition like sunlight, Rain, Dust etc. Life expectancy of this absorber is greater than 5 Years and it can be enhanced when not in use, when stored under control Environmental condition.



Absorber Type	Pyramid Height, A	Pyramid Width, B	Base Height, C	Total Absorber Height, D	Number of Pyramids per Absorber
FU-SE-24-PC	21"	8"	3"	24"	9
FU-SE-18-PC	15"	6"	3"	18"	16
FU-SE-12-PC	10"	4"	2"	12"	36
FU-SE-8-PC	6"	3"	2"	8"	64
FU-SE-4-PC	3"	2"	1"	4"	144

Note: Above dimensions are indicative and subject to change for specific application.

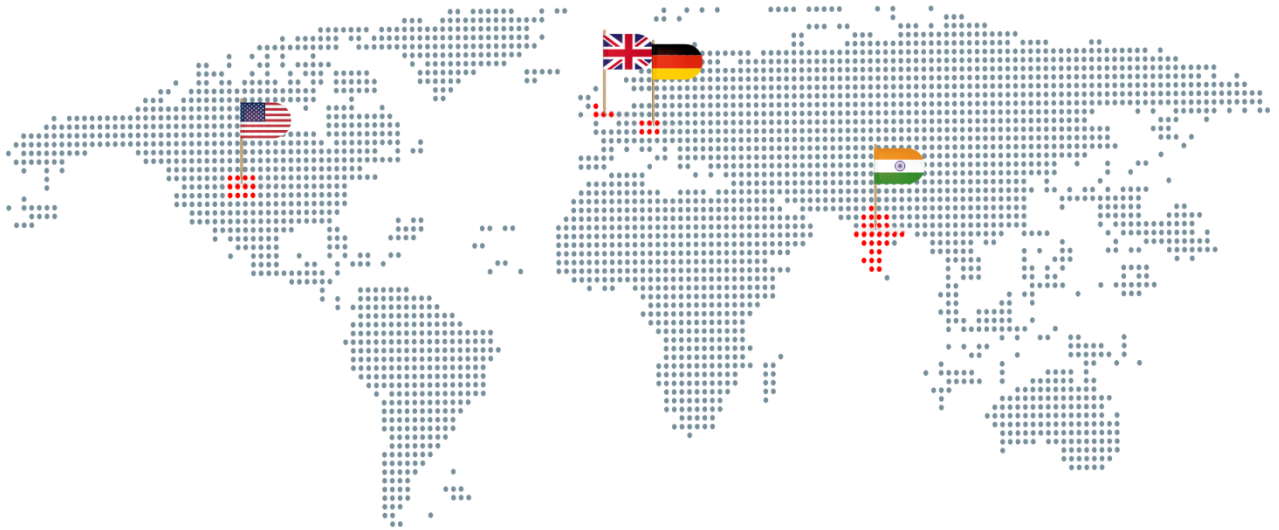
MATERIAL PROPERTIES:

- ❖ Color: As Desired, generally available in Red and Blue color.
- ❖ Dimensions: 60 cm X 60 cm
- ❖ Chemical Composition: Fire Retardant Plastic Coated Carbon ferrite impregnated polyurethane foam
- ❖ Maximum service temperature: 90 degree Centigrade
- ❖ Power handling capacity: 0.5 W/in²
- ❖ Fire Retardency: Passes NRL-8093, USA test 1, 2 & 3 With Zero Halogen Means.
- ❖ Our foam absorbers are fire retardant with zero halogen means thereby avoid formation of toxic gases like HCl / HBr and poisonous gases like phosgene.

AREAS OF APPLICATION:

- ❖ Broadband absorbers suitable for Outdoor measurements.
- ❖ Used in making Moving screens for hiding the areas of maximum reflections.
- ❖ Used for obtaining Quiet Zones in very wide frequency range

GLOBAL PRESENCE



LASER CUTTING RF & Microwave
MARKING Medical Devices
WELDING Hi-Tech Software
 Diamond Processing
 Renewable Energy
 Cleaning
 Scribing / Dicing
 Automations

DEFENCE & AEROSPACE
MICRO MACHINING

SLTL'S STRENGTH

<p>Experience</p> <p>35+ Since 1989</p> <p>Years</p>	<p>6 Mfg. Plants</p> <p>Laying Over</p> <p>54000 Sq. mtr.</p>	<p>10%</p> <p>Yearly R&D</p>	<p>Exports</p> <p>45+</p> <p>Countries</p>
<p>25000+</p> <p>Installations</p>	<p>ISO</p> <p>9001-2015</p>	<p>29+</p> <p>Patents</p>	<p>33+</p> <p>Awards</p>



CE An ISO 9001:2015 Certified Company
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