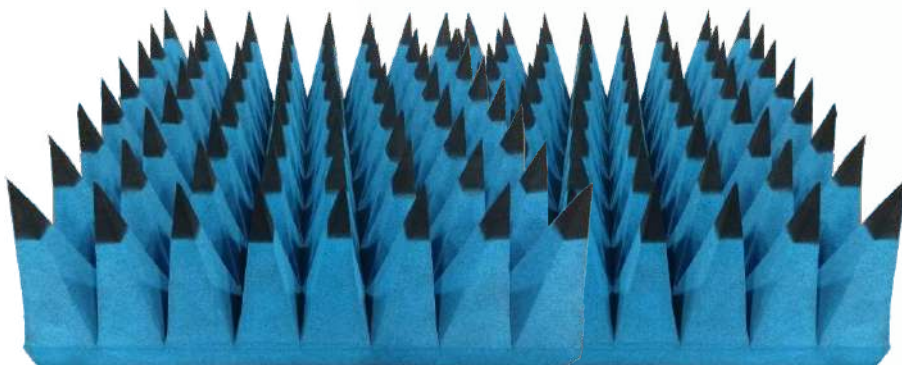


Pyramidal Microwave Absorbers

JVMFU absorber product line is a complete range of high-Performance Pyramidal Microwave Absorbers available in wide range of thickness and absorbencies. Variety of thickness gives the chamber designer the opportunity to choose grades appropriate for specific frequencies and incidence angles by using low density, flexible foam, impregnated with a carbon formulation to achieve the desired electrical performance. The pyramidal structure gives it the geometrical matching and the carbon dispersed gives the attenuation required. Provides Engineers with the building blocks needed in the design and construction of RF absorbing surface used in Anechoic Chambers, Antenna Assemblies and Microwave Measuring facilities.

Features

1. Highest absorption, up to -50 dB attenuation.
2. ROHS compliance for human safety.
3. Fire retardant finish as per NRL 8093 SI.No.1,2 and 3
4. Long product life up to 25 years
5. Reflectivity Tested as per IEEE 1128-1998 Standard.
6. Power handling capacity is 1.5 KW/Square meter. Option 3KW / square meter is available.
7. Absorbers are pasted by using compatible Neoprene Adhesive / velcro fixing / as per users request.



Area of Applications:

In RF Anechoic Chamber for the measurement of antenna characteristics, measurement of radio noise emission. Broadband absorbers suitable for in-door measurements normally from 500 MHz to 110 GHz. Used in making Microwave Anechoic Chambers for performing measurements like RCS, Antenna pattern, EMI / EMC Testing, making Moving screens for hiding the areas of maximum reflections and for obtaining Quiet Zones in wide frequency range inside Anechoic Chamber, Far Field and Near Field Compact Ranges.

Reflectivity of JV Micronics Absorbers

Model No.	Height inch	80 MHz (dB)	200 MHz (dB)	300 MHz (dB)	400 MHz (dB)	1 GHz (dB)	2 GHz (dB)	4 GHz (dB)	8 GHz (dB)	12 GHz (dB)	18 GHz (dB)	24 GHz (dB)	40 GHz (dB)
JVMFU2	2					-15	-18	-25	-30	-36	-44	-48	-50
JVMFU4	4					-20	-25	-30	-35	-40	-48	-50	-50
JVMFU6	6					-22	-28	-32	-38	-45	-50	-50	-50
JVMFU9	9				-20	-26	-32	-38	-44	-48	-50	-50	-50
JVMFU12	12				-26	-30	-36	-42	-48	-50	-50	-50	-50
JVMFU18	18				-28	-35	-42	-46	-50	-50	-50	-50	-50
JVMFU24	24	-6	-20	-25	-30	-40	-45	-50	-50	-50	-50	-50	-50
JVMFU28	28	-8	-22	-27	-35	-43	-48	-50	-50	-50	-50	-50	-50
JVMFU30	30	-9	-23	-28	-38	-46	-50	-50	-50	-50	-50	-50	-50
JVMFU36	36	-12	-26	-30	-40	-48	-50	-52	-52	-52	-52	-52	-52

Note: Data for 110GHz is provided on request