

## 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 polyurethane 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, Radar, Assemblies and Microwave Measuring facilities.

## Features

1. Highest absorbtion, up to -50 dB attenuation.
2. ROHS compliance for human safety.
3. Fire Retardant finish as per NRL 8093 Sl.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.
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 80 MHz to THz. Used in making Microwave Anechoic Chambers for performing measurements like RCS, Antenna pattern, EMI / EMC Testing, making Moving screens for hiding the areas of stealth maximum reflections and for obtaining Quiet Zones in wide frequency range inside Anechoic Chamber, Far Field and Near Field Compact Ranges, open area RF absorption etc.

## Reflectivity of JV Micronics Absorbers

Model No.	Height inch	80 MHz (dB)	100 MHz (dB)	200 MHz (dB)	300 MHz (dB)	400 MHz (dB)	800 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)	110 GHz (dB)
JVMFU2	2						-12	-15	-18	-25	-30	-36	-44	-48	-50	-50
JVMFU4	4															
JVMFU6	6				-10	-12	-20	-22	-28	-32	-38	-45	-50	-50	-50	-50
JVMFU8	8															
JVMFU12	12	-7	-8	-15	-17	-26	-28	-35	-40	-42	-48	-50	-50	-50	-50	-50
JVMFU16	16															
JVMFU24	24	-8	-10	-20	-25	-30	-38	-42	-45	-50	-50	-50	-50	-50	-50	-50
JVMFU30	30	-10	-13	-26	-31	-41	-46	-50	-50	-50	-50	-50	-50	-50	-50	-50
JVMFU36	36	-12	-15	-28	-32	-42	-48	-50	-50	-52	-52	-52	-52	-52	-52	-52

**\*Note:** - Absorbers are qualified upto THz. Contact us for results.