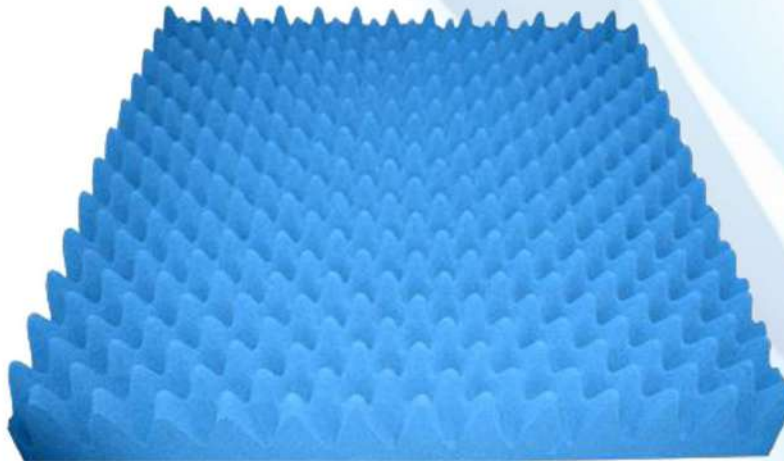


## CONVOLUTED ABSORBERS

JVMBCU 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 Microwaves Measuring facilities.



## Features:

1. High performance, 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 NRLARCH Method.
6. Power handling capacity is 1.5 KW/Square meter. Option 3KW / Square meter is available.
7. Absorbers are tested by using compatible Neoprene Adhesive / Velcro fixing / as per users reques.



## CONVOLUTED ABSORBERS

JV Micronics manufactures Light Weight, Flexible Convoluted Absorber for the RCS Chamber application in the millimeter region and other applications, The front surface is rippled to provide a good match to the Impinging wave front.

### Area of Application:

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 100 GHz used in making Microwave Anechoic Chambers for performing measurements like RCS, Antenna pattern, making Moving screens for hiding the areas of maximum reflections. The Convoluted material has properties especially desirable for applications requiring high reflectivity performance in conjunction with low forward scattering characteristics for use in RCS chambers in the millimeter wave region.

### Specification:

#### REFLECTIVITY

Model No	Height (Inches)	2GHz (-dB)	6GHz (-dB)	18GHz (-dB)	40GHz (-dB)	60GHz (-dB)	110GHz (-dB)
JVMBCU2	2		20	35	40	35	30
JVMBCU3	3	20	25	40	45	40	35
JVMBCU4	4	25	32	45	50	45	40

**\*Note:** Data sheet on request for Absorbers up to 110GHz

