



**POLYURETHANE FOAM BASED WALK - ON MICROWAVE ABSORBERS**

**(Microwave Absorbent Material –Walk-On Type)**

**FU-FL MICROWAVE ABSORBERS:**

- ❖ Walk on absorbers are manufactured from our standard blocks of PU foam based pyramidal / wedge absorbers with a profiled section filled with a low loss, polystyrene foam thus making it a flat faced absorber

**REFLECTIVITY PERFORMANCE:**

Absorber Type	Thickness (Inches)	Reflectivity (dB) at Near Normal Incidence with respect to Metal at frequency.						
		80MHz	250MHz	500 MHz	1 GHz	3 GHz	10 GHz	18 GHz
<b>FU-FL-SE-36</b>	40	-6 dB	-25 dB	-35 dB	-35 dB	-35 dB	-35 dB	-30 dB
<b>FU-FL-SE-24</b>	28	-6 dB	-20 dB	-30 dB	-30 dB	-30 dB	-35 dB	-30 dB
<b>FU-FL-SE-12</b>	18				-25 dB	-30 dB	-35 dB	-30 dB

**AREAS OF APPLICATION:**

- ❖ Intended for use in areas on the floor.
- ❖ Structure capable of supporting the weight of a man.
- ❖ Required when access to test areas is required.

**MATERIAL PROPERTIES:**

- ❖ Color: As Desired, generally available in blue color.
- ❖ Dimensions: 60 cm X 60 cm.
- ❖ Chemical Composition: Carbon ferrite impregnated polyurethane foam.
- ❖ Maximum service temperature: 90 Degree Centigrade.
- ❖ Power handling capacity: 0.5 Watt/Cm<sup>2</sup>.
- ❖ Fire Retardancy: 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.
- ❖ **RoHS** Compliant.