



Cuming Microwave

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C-RAM WT **LOSSY FOAM FOR WALL TERMINATIONS OF WEDGE** **OR PYRAMIDAL ABSORBERS**

RoHS
Compliant

C-RAM WT is a carbon loaded urethane foam material used to transition a series of wedge or pyramidal anechoic chamber absorbers into a termination at a wall. It has a tapering wedge profile cut into its surface to help match the impedance of wide-angle RF energy traveling along the valleys in pyramidal or wedge shaped absorbers. These products meet all of the fire retardancy requirements of NRL Specification 8093.

TYPICAL PROPERTIES

C-RAM WT is made of the same material as the pyramidal or wedge absorber it is being used with. It will have the same density and impedance as the C-RAM SFC foam.

The product is black throughout, and generally is sprayed with a light blue surface coating, both for cleanliness and to provide better light reflection inside an anechoic chamber. The absorber can be left unpainted if requested.

AVAILABILITY

The grade of C-RAM WT used in a particular application is generally the same thickness as the base of the pyramidal absorber it is being used with. The table below shows the typical grade used with a specific pyramidal or wedge absorber. C-RAM WT is available in standard thicknesses from 2 inches (51mm) to 6 inches (152mm), but other thicknesses can be produced as well.



METHOD OF APPLICATION

C-RAM WT is applied to chamber walls just as the C-RAM SFC pyramidal absorber would be. It is generally bonded in place with a neoprene contact adhesive, or it can be supplied with Velcro pile backing to attach to strips of Velcro hook bonded to the walls. Edges and corners of the chamber are generally blocked out first, then the C-RAM SFC pieces are fit from the floor up to the ceiling. C-RAM WT is readily cut with a sharp knife, or, preferably, using a bandsaw or electric carving knife.

Standard Grades of C-RAM WT

Grade	Thickness	Dimensions	Used with Pyramidal Grade
WT-2	2 in (51mm)	12x24 in (305x610mm)	SFC-12, SFC-12W
WT-3	3 in (76mm)	18x24 in (457x610mm)	SFC-18, SFC-18W
WT-4	4 in (102mm)	24x24 in (610x610mm)	SFC-24, SFC-24W
WT-6	6 in (152mm)	24x36 in (610x914mm)	SFC-36, SFC-36W

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