



C-RAM CB (Cornerblock)

LOSSY FOAM FOR FITTING ABSORBERS TO CHAMBER CORNERS

C-RAM Corner Block is a carbon loaded urethane foam material used to fit anechoic chamber materials, such as C-RAM SFC, EVA and MP into the corners and edges of the chamber.

These products meet all of the fire retardancy requirements of NRL Specification 8093, tests 1, 2, and 3.

TYPICAL PROPERTIES

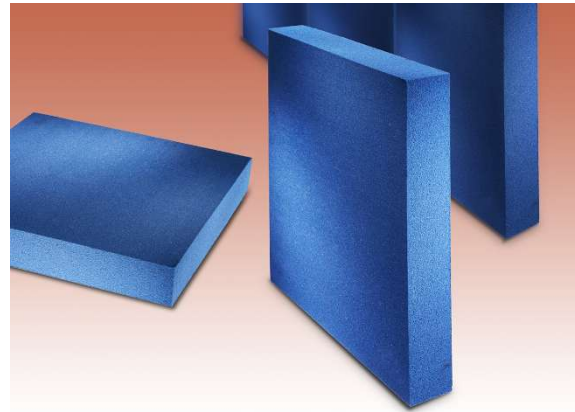
C-RAM CB is made of the same material as the pyramidal or wedge absorber it is being used with. It will also have the same density and impedance.

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, or can be painted other colors.

AVAILABILITY

C-RAM Corner Block is custom made to each anechoic chamber job, and is available in almost any dimension. Cuming Microwave engineers can help you specify materials for a chamber application, and can recommend specific configurations of corner blocks.

Generally, the block is as thick as the base of the absorber piece butted next to it, and as wide as the height of the absorber facing it. For example, a 3 in x 18 in x 24 in piece would be used when blocking SFC-18's in a corner. The part name references the dimensions, in inches, for example: C-RAM CB3x18x24.



METHOD OF APPLICATION

C-RAM Cornerblock 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 press onto strips of Velcro hook that are attached 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 Cornerblock is readily cut with a sharp knife, or, preferably, using a bandsaw or electric carving knife.

Standard Grades of C-RAM CB

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

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