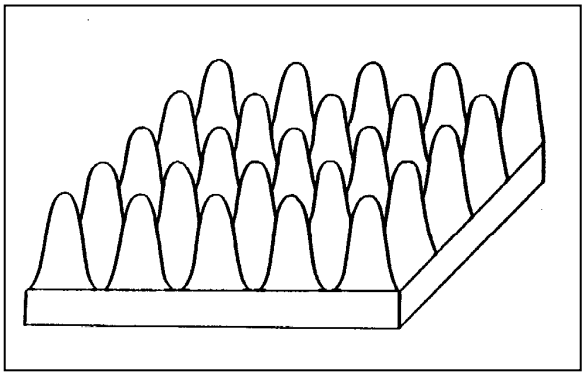
CUMING MICROWAVE

C-RAM RFA

RoHS Compliant

TECHNICAL BULLETIN 390-12

HIGH PERFORMANCE CONVOLUTED RF ABSORBERS



C-RAM RFA is a similar convoluted absorber available in various thickness grades. It is made from a large-pore open-cell urethane foam (approx 15 pores/inch). This open cell structure makes C-RAM RFA ideal for outdoor applications, where rain can drain quickly through the piece, and residual moisture can evaporate quickly.

For optimum resistance to moisture, C-RAM RFA uses a different fire retardancy mechanism. While it is self-extinguishing, this material is not rated to NRL 8093 standards.

METHOD OF APPLICATION

C-RAMRFA are attached to walls and ceilings using a contact adhesive, such as CAMBOND 934. When bonding over a vent or air duct, the absorber should be cut oversized, and be bonded only around the edges to the wall.

AVAILABILITY

C-RAM RFC and RFA are each available in three thickness grades, as specified in the tables below. Pieces are available in a standard 24 in x 24 in (610 x 610 mm) base size, although other dimensions can be made on special order.

Both materials are generally supplied with a light blue surface coating, but as with C-RAM FAC, when the intended use is above 30 GHz, it is recommended to specify the material unpainted.

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TYPICAL DIMENSIONS AND REFLECTIVITIES OF C-RAM RFA

			-------- REFLECTIVITY AT FREQ., IN dB ---------				
Grade	Height	Weight	2 GHz	5 GHz	10 GHz	15 GHz	20 GHz
RFA-075	0.75 in 19mm	0.5 lb .25kg		12	15	17	18
RFA-175	1.75 in 45mm	0.8 lb .35kg	12	18	25	28	30
RFA-375	3.75 in 95mm	1.5 lb .70kg	25	32	37	40	40