



# CUMING MICROWAVE

Technical Bulletin 390-3

## C-RAM SFC-EM TRUNCATED PYRAMIDAL ABSORBER FOR EMC CHAMBERS

RoHS  
Compliant

The SFC-EM product is similar to standard C-RAM SFC pyramidal grades, but the tips of the pyramids are truncated. This saves space in small chambers and provides a more rugged product, eliminating the possibility of tip breakage.

C-RAM SFC EM products are specifically optimized for low frequency applications and are used mainly in chambers used for emissions and immunity testing.

C-RAM SFC-24 EM meets the requirements for MIL-STD 461/462D.

C-RAM SFC-36 EM and C-RAM SFC-24 EM, in an appropriate combination in a chamber, are an ideal absorber treatment for Immunity Test Chambers (EN 1000-4-3 and equivalent specifications).

Typically, C-RAM SFC absorbers can handle up to 1.25 W/in<sup>2</sup> (2 kW/m<sup>2</sup>) of RF energy in a temperature controlled room, but this is dependent upon frequency and application.



All C-RAM SFC-XX EM products are manufactured and supplied as 24 in. x 24 in. panels. The product has all the favorable features of the standard SFC products, including a high level of fire retardancy meeting NRL 8093 Test 1, 2 and 3, MS-8-21 Test 1, 2 and 3 and T.I. drawing 2693066, as well as ASTM E-84-97 Class A.

### PHYSICAL CHARACTERISTICS AND TYPICAL REFLECTIVITY AT NORMAL INCIDENCE

GRADE	Height in. (mm)	Weight lbs. (kg)	Reflectivity (MHz)				
			80	250	500	1000	10,000
SFC-24EM	20 (510)	17 (7.7)	-8	-24	-35	-38	<-40
SFC-36EM	31 (760)	25 (11.4)	13	29	-37	-40	<-40
SFC-48EM	42 (1067)	35 (16)	16	-32	-39	<-40	<-40

The information in this technical bulletin, although believed to be accurate, is not to be taken as a warranty for which Cuming Microwave assumes legal responsibility, nor as permission or recommendation to practice any patented invention without license. It is offered for verification by the customer, who must make the final judgment of suitability for any application.

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