



# CUMING MICROWAVE

## C-RAM SFC-EM

**RoHS  
Compliant**

### TECHNICAL BULLETIN 390-3

#### TRUNCATED PYRAMIDAL ABSORBER FOR EMC CHAMBERS

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The SFC-EM product is similar to standard C-RAM SFC pyramidal grades, but having the tips of the pyramids 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.x24 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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