



TECHNICAL BULLETIN 390-3

C-RAM SFC-EM

TRUNCATED PYRAMIDAL ABSORBER FOR EMC CHAMBERS

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/in² (2 kW/m²) 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-24-EM	20 (510)	17 (7.7)	-8	-24	-35	-38	<-40
SFC-36-EM	30 (760)	35 (15.9)	-15	-27	-37	-40	<-40

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license; it is offered for verification by the customer, who must make the final judgement of suitability for any application.

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