



# Cuming Microwave

Preliminary Data Sheet 390-20 (7/2020)

**RoHS  
Compliant**

## C-RAM MIL461

### TRUNCATED PYRAMIDAL ABSORBER FOR MIL-STD-461 CHAMBERS

C-RAM MIL461 is a lossy foam truncated pyramid absorber, designed specifically to meet the requirements of MIL-STD-461. The pointed pyramidal tips have been truncated to save space in an anechoic chamber, and which makes them more durable and less subject to damage.

C-RAM MIL461 meets the fire retardancy requirements of NRL Specification 8093 tests 1, 2, and 3, and is UL94 rated HF-1.

#### TYPICAL PROPERTIES

**Base Dimensions:** 24 x 24 in. (610x610mm)

**Height:** 21 in. (535mm)

**Appearance:** 2x2 array of pyramids which have been truncated to 21 in.

**Nominal Weight:** 14lbs (6.4kg)

**Reflectivity:** Meets the requirements of MIL-STD-461:

Better than -6dB 80-250 MHz

Better than -10dB 250 MHz and higher

The product is routinely tested to 18GHz, but it has been characterized to 40GHz.

**Power Handling:** Typically, C-RAM pyramidal foam absorbers can handle up to 1.0 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 specific application.

**Color:** The product is black throughout, and the surface generally is sprayed with a light blue, dark blue, or light grey coating, both for cleanliness and to provide better light reflection inside a chamber. The absorber can be left unpainted if requested.

#### AVAILABILITY

C-RAM MIL461 is supplied in 24 x 24inch base pieces. The material can be adhesively bonded to walls; or it can be supplied with a Velcro backing and rolls of Velcro hook.

In addition to simply supplying a bill of materials, PPG-Cuming Microwave designs and installs complete anechoic chambers. Chambers can be designed to meet your specifications, and an entire kit of materials is supplied, including factory pre-cuts of special fitting parts. We can install all materials or supply technical support to help you complete your own installation.

The information in this data sheet, although believed to be accurate, is not to be taken as a warranty for which PPG-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.