

**RAM-CF001 Convoluted Foam Absorber Material****Product overview**

Shielding Solutions Convoluted Foam Absorber product series is a lightweight conductive carbon loaded sheet stock providing broadband reflection loss at microwave frequencies. Due to the shape of the cones on Convoluted Foam Absorbers, they exhibit high reflection loss and are intended to be applied to metal surfaces inside test boxes, housings, radomes, network enclosures, or antennae. Reticulated Foam Absorbers attenuate energy at normal and high angles of incidence at frequencies from 1 GHz to 18 GHz.

**Properties**

Thickness (mm)	1.5-3
Flammability Rating (Halogen Free)	UL94-HF1
Adhesive Thickness (mm)	0.12
Operating Temperature (°C)	-50 to 120
Colour	Black

**Availability**

- Standard sheets are 610 x 610mm (24"x24") with or without PSA
- Custom sizes available
- Thickness varies depending on frequency desired.
- The material can also be supplied in customized shapes.

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**Typical Applications**

- RF Test Boxes/Fixtures
- Antenna Pattern Performance
- Sidelobe/backlobe reduction
- Resonant Cavity Attenuation
- EMI Reduction
- Rx/Tx Antenna Isolation
- Radar Cross Section Reduction

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