

ME-500-C

Microwave Isolation Coating



ME-500-C broadband Electrical isolation coating is a coated carbon based paint in a proprietary urethane acrylic resin. It provides broadband RF isolation in a thin format. Its durable abrasion resistant finish is stable in hot and cold environments. The product can be applied with a brush or sprayer or screen printed. It has excellent UV and fire resistance. ME-500-C has some RF absorptive properties which can be maximized when used in conjunction with an electrically conductive ground plane, as a when applied to a metal surface.

Applications:

- Extraneous reflection reduction of outdoor antenna motion equipment
- Extraneous reflection reduction of RCS test facilities
- Equipment covering and concealment
- Low Observable

Mechanical Data:

Thickness:	2.0 - 8.0 mils per layer nominal (depending on application technique)
Color:	Charcoal Grey
Dry Weight:	1.26 gm/mil for an area of 12"x 12" (30cm x 30 cm)
Resistance:	Fire, Abrasion, UV, Salt and Corrosion
Coverage:	Nominally 200 ft ² /gal (3.8L)
Isolation:	Nominally -14 dB per mil

Typical Performance

ME-500-C is an electrically resistive absorber. The center frequency is a function of dielectric spacing and conductivity after cure.

Application Notes:

This material can be tailored to provide specified conductivity in a coating. Please contact factory with exact requirements