

## ME-500-ALCU

### Microwave Isolation Coating



ME-500-ALCU broadband Electrical isolation coating is a coated carbon, aluminum and copper blend 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.

#### 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 <sup>2</sup> /gal (3.8L)
Isolation:	Nominally -16 dB per mil

#### Typical Performance

ME-500-ALCU is an electrically resistive reflector. 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