

ME-505

Microwave Isolation Coating



ME-505 broadband Electrical isolation coating is a coated carbon based paint in a proprietary urethane (solvent based) 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.

This product can be applied to various surfaces including but not limited to sheetrock, wood and metal.

ME-505 is a lossy ground plane which can be used as an undercoating in conjunction with our MF-500 Urethane MagRAM RF absorbing coating.

Applications:

- Application to sheetrock or other surfaces for isolation of RF signals from adjacent areas.
- As an electrically conductive undercoating for a MagRAM RF absorber (like our MF-500 Urethane).

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 100 ft ² /gal (3.8L) using two coats

Typical Performance

Isolation: Nominally -14 dB per mil

Application Note:

This material can be tailored to provide specified conductivity in a coating.

Please contact factory with exact requirements