

ME-565

RFID Isolation Coating



ME-565 broadband electrical isolation coating is a coated carbon based paint in a proprietary water based acrylic resin system. It provides broadband RFID area 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. 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-565 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 or conductive wallpaper.

Application:

- Application to sheetrock or other surfaces for isolation of RFID signals from adjacent areas.

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
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ME-565 is an electrically resistive absorber. The center frequency is a function of dielectric spacing and conductivity after cure.