

MF-500

Microwave Absorbing Coating



MF-500 broadband MagRAM coating is a coated carbonyl iron based paint in a proprietary urethane acrylic resin. It provides broadband RF absorption with 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 Resistance. A marine grade is also available.

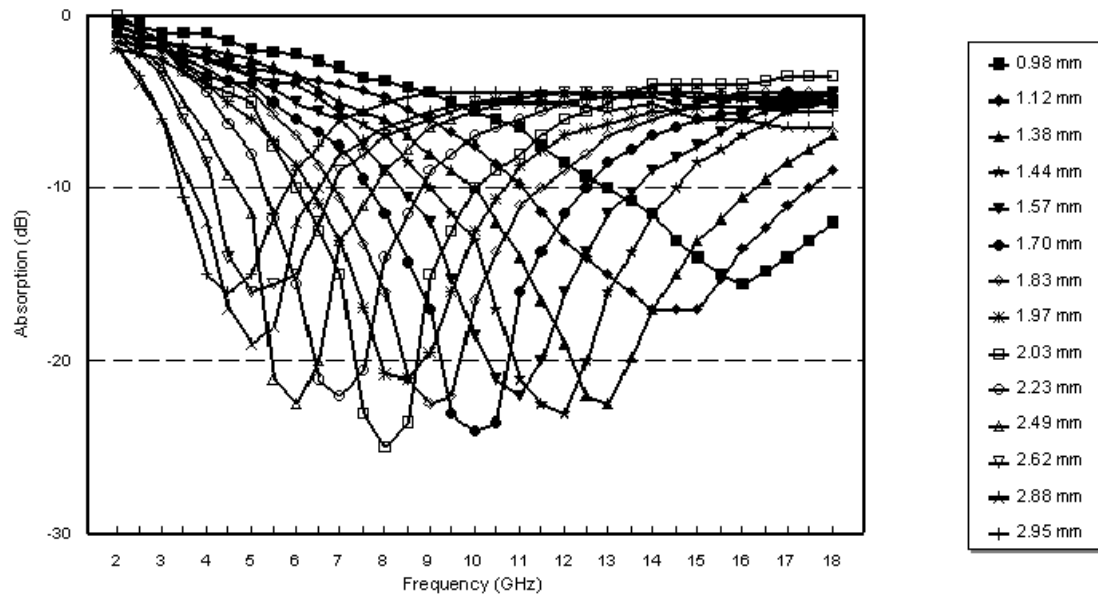
Applications:

- Minimization of RF crosstalk and RF interference (RFI) in analog and digital applications
- Extraneous reflection reduction of outdoor antenna motion equipment
- Reduction of RF noise & for RF signal suppression of surface & creeping waves
- Reduction of cavity resonance
- Minimization of RF coupling of antennas and microwave components
- Extraneous reflection reduction of RCS test facilities
- Equipment covering and concealment
- Low Observable

Mechanical Data:

Thickness:	2-8.0 mils per layer nominal (depending upon application technique)
Color:	Charcoal Grey
Dry Weight:	6.36 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 -12 dB per mil

MF-500 Absorption vs. Frequency



Notes:

MF500 is a resonant absorber
 The center frequency is a function of thickness after cure
 Typical performance yields a -10 dB bandwidth better than 40%