MIO Filler

PRODUCT DATA SHEET

SELECTION & SPECIFICATION DATA

Generic Type	Micaceous iron oxide filler
Description	Micaceous iron oxide filler is used as a special reinforcing filler for any number of coatings to impart special or improved properties. The addition of micaceous iron oxide can improve film toughness, improve flexibility, strengthen internal film properties, impart better permeation resistance properties due to its flake-like structure, and improve impact and cutting resistance.
Features	• Excellent durability • Excellent non-reactive, chemical resistant filler • Improves internal film strength • Improves impact resistance • Added as a separate filler as needed
Typical Uses	MiO Filler can be used in any number of products to improve film properties. Most commonly used products include amine or polyamide epoxies, epoxy-novolacs, amine-adduct epoxies, phenolics, and others as recommended. Depending on the specification or need, 2 lbs of MiO Filler is typically used for every mixed gallon of coating. Consult with Carboline Technical Service for other recommendations.
Finish	Slightly Textured Depending on the loading and the final film thickness; a slightly rough (textured) finish may result. MiO filler will impart a grey cast to any color used.
Solids Content	MiO Filler is a 100% solids filler that will slighty raise the solids content of solvent-based coatings (1-3% typical) it might be used in. Consult Carboline for specific details if needed.
VOC Values	**As Supplied** : 0.00 This filler does not impart any additional VOC's into products it may be used in.

MIXING & THINNING

Mixing	Power mix coating to which MiO filler will be added. For two-component products power mix A & B separately, then combine, and power mix. Slowly add MiO filler while continuing to power mix until a homogeneous mixture is achieved. MiO filler is typically used in high solids, high-build epoxies at the rate of 2 lbs of MiO filler per mixed gallon of liquid. For other uses consult Carboline.

APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

Spray Application (General)	Consult individual product data sheet where MiO filler is to be used. For spray applied applications, and with most standard epoxies, the following airless equipment may be useful.
Airless Spray	Pump Ratio: 30:1 (min.)* GPM Output: 3.0 (min.) Material Hose: 3/8” I.D. (min.) Tip Size: .035”-.041” Output PSI: 2200-2500 *Teflon packings are recommended and available from the pump manufacturer.

PACKAGING, HANDLING & STORAGE

Shelf Life	MiO Filler – 60 months at 75°F (24°C) *Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers.
Storage Temperature & Humidity	40° - 110°F (4°-43°C) 0 - 100% Relative Humidity
Storage	Store Indoors.
Shipping Weight (Approximate)	Packaged in 4 lbs (pint container) and 20 lbs (gallon container).

WARRANTY

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