

### SELECTION & SPECIFICATION DATA

<b>Generic Type</b>	Micaceous iron oxide filler
<b>Description</b>	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.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Excellent durability</li> <li>• Excellent non-reactive, chemical resistant filler</li> <li>• Improves internal film strength</li> <li>• Improves impact resistance</li> <li>• Added as a separate filler as needed</li> </ul>
<b>Typical Uses</b>	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.
<b>Finish</b>	<p>Slightly Textured</p> <p>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.</p>
<b>Solids Content</b>	MiO Filler is a 100% solids filler that will slightly raise the solids content of solvent-based coatings (1-3% typical) it might be used in. Consult Carboline for specific details if needed.
<b>VOC Values</b>	<p><b>As Supplied</b> : 0.00</p> <p>This filler does not impart any additional VOC's into products it may be used in.</p>

### MIXING & THINNING

<b>Mixing</b>	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.
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### 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.

<b>Spray Application (General)</b>	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.
<b>Airless Spray</b>	<p>Pump Ratio: 30:1 (min.)*</p> <p>GPM Output: 3.0 (min.)</p> <p>Material Hose: 3/8" I.D. (min.)</p> <p>Tip Size: .035"-.041"</p> <p>Output PSI: 2200-2500</p> <p>*Teflon packings are recommended and available from the pump manufacturer.</p>

# MiO Filler

## PRODUCT DATA SHEET



### PACKAGING, HANDLING & STORAGE

<b>Shelf Life</b>	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.
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<b>Storage Temperature &amp; Humidity</b>	40° - 110°F (4°-43°C) 0 - 100% Relative Humidity
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<b>Storage</b>	Store Indoors.
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<b>Shipping Weight (Approximate)</b>	Packaged in 4 lbs (pint container) and 20 lbs (gallon container).
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### WARRANTY

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Carboline to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. Carboline warrants our products to be free of manufacturing defects in accord with applicable Carboline quality control procedures. THIS WARRANTY IS NOT VALID WHEN THE PRODUCT IS NOT: (1) APPLIED IN ACCORDANCE WITH CARBOLINE'S SPECIFICATIONS, AND/OR (2) PROPERLY STORED, CURED, AND USED UNDER NORMAL OPERATING CONDITIONS. Carboline assumes no responsibility for coverage, performance, injuries, or damages resulting from use of the product. If this product is found not to perform as specified upon inspection by a Carboline representative during the warranty period, Carboline's sole obligation, if any, is to replace the Carboline product(s) proven to be defective or refund the purchase price thereof, at Carboline's sole option. Carboline shall not be liable for any other losses or damages. This warranty excludes (1) labor and costs of labor for the application or removal of any product, and (2) any incidental or consequential damages, whether based on breach of express or implied warranty, negligence, strict liability or any other legal theory. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CARBOLINE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. All of the trademarks referenced above are the property of Carboline International Corporation unless otherwise indicated. The whole text of this Product Data Sheet, as well as the documents derived from it, have been written in English, and for legal purposes the English version shall prevail.