

## Standard MIO Primer

<b>Product Description</b>	<b>A single pack, phenolic-modified alkyd MIO</b> (micaceous iron oxide) coating for steelwork.			
<b>Features &amp; Use</b>	<ul style="list-style-type: none"> <li>MIO pigmentation provides excellent barrier anticorrosive protection and intercoat adhesion</li> <li>Use for bridges, tank exteriors, castings, steel fabrications and industrial structures as a primer/intermediate coating</li> <li>Can be overcoated with conventional alkyd top coats</li> <li>Brush or spray application</li> </ul>			
<b>Approvals/ Certification</b>	Conforms to Category (i) of Directive 2004/42/EC which carries a VOC limit of 500g/l			
<b>Finish</b>	Matt MIO			
<b>Volume Solids</b>	47 ± 2% (varies with colour)			
<b>VOC Content</b>	406 ± 20 g/litre (varies with colour)			
<b>Film Thickness Range And Coverage</b>		<b>Dry Film Thickness</b>	<b>Wet Film Thickness</b>	<b>Theoretical Coverage</b>
	<b>Typical</b>	50 µm	106 µm	9.4 m <sup>2</sup> /litre
Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated				
<b>Drying Times</b>	Applied to 50 microns DFT	<b>+10°C</b>	<b>+23°C</b>	<b>+35°C</b>
	<b>Dust Free</b>	5 hr	3 hr	2 hr
	<b>Hard Dry</b>	9 hr	7 hr	5 hr
	<b>Overcoating</b>	Minimum	24 hr	24 hr
Maximum		Indefinite if surface is clean and sound		
Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation				
<b>Colours</b>	Dark Grey, Light Grey, Red Oxide			
<b>Product Code</b>	<b>04MIP</b>			
<b>SG</b>	1.39 kg/lit (varies with colour)			
<b>Storage Conditions</b>	Store in dry, cool conditions and protect from frost			
<b>Shelf Life</b>	Minimum 12 months if stored as above in unopened containers			
<b>Flash Point</b>	23-60°C			



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<p><b>Surface Preparation</b></p>	<ul style="list-style-type: none"> <li>All surfaces to be coated should be dry and cleaned as necessary to remove all oil, grease, salts, weld flux or other contamination. Where necessary, remove weld spatter and grind smooth all sharp edges and weld seams</li> <li>Blast clean to Sa2½ (ISO 8501-1:2007), surface profile 50-75 microns</li> <li>Where blast cleaning is impractical the surface should be prepared to St2 (ISO 8501-1:2007) taking care to avoid 'polishing' the surface</li> <li>Performance will be dependent on the degree of surface preparation</li> <li>Can also be used as an intermediate coat applied over Hi-Dur Zinc Phosphate Primer</li> </ul>														
<p><b>Mixing</b></p>	<p>Must be mixed thoroughly by using a mechanical agitator before use. Agitate periodically to ensure paint remains homogeneous.</p>														
<p><b>Thinner</b></p>	<p>No.3 Thinner <b>Equipment Cleaner</b> No.3 Thinner</p>														
<p><b>Application Conditions</b></p>	<p>Only apply in conditions of good ventilation which must be maintained during drying and curing. Do not apply when rain, mist, sleet or snow are imminent. During application and drying time of the paint coating, the surface should be dry, the Relative Humidity should not exceed 85% and the steel temperature should remain at least 3°C above the dew point. Paint temperature should ideally be at a minimum of 15°C.</p>														
<p><b>Application Methods</b></p>	<table border="1"> <thead> <tr> <th data-bbox="451 976 675 1048">Method</th> <th data-bbox="675 976 922 1048">Airless Spray</th> <th data-bbox="922 976 1169 1048">Conventional Spray</th> <th data-bbox="1169 976 1337 1048">Brush</th> <th data-bbox="1337 976 1490 1048">Roller</th> </tr> </thead> <tbody> <tr> <td data-bbox="451 1048 675 1106"></td> <td data-bbox="675 1048 922 1106">Yes</td> <td data-bbox="922 1048 1169 1106">Yes</td> <td data-bbox="1169 1048 1337 1106">Yes</td> <td data-bbox="1337 1048 1490 1106">Yes</td> </tr> </tbody> </table>					Method	Airless Spray	Conventional Spray	Brush	Roller		Yes	Yes	Yes	Yes
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<ul style="list-style-type: none"> <li>Airless Spray: output fluid pressure at tip 2000-2500 psi, Tip Size 15-21 thou (0.38-0.53 mm). Up to 5% Thinner may be used if required</li> <li>Conventional spray: thinning up to 10% may be required. Use 40-60psi and 1.4-1.8mm nozzle</li> <li>Application by brush or roller – do not thin, use as supplied</li> <li>Avoid excessive film thickness as this will cause through-drying problems</li> </ul>															
<p><b>Product Notes</b></p>	<ul style="list-style-type: none"> <li>Two coats are recommended for best protection</li> <li>May be overcoated with itself or other white spirit based products only</li> <li>Due to the fine surface texture of MIO coatings, any decorative finish applied over an MIO is susceptible to loss of gloss unless the profile of the MIO is completely filled</li> <li>The compatibility of overcoating products should be confirmed prior to application</li> <li>Not recommended for immersion</li> </ul>														
<p><b>Health &amp; Safety</b></p>	<p>Containers are provided with safety labels which should be observed. Further information about hazardous influences and protection are detailed in individual Product Safety Data Sheets. A Safety Data Sheet for this product is available on request from Axalta Coating Systems.</p>														

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