

## SELECTION & SPECIFICATION DATA

<b>Generic Type</b>	Waterborne Acrylic
<b>Description</b>	Surface tolerant direct-to-metal primer with excellent corrosion resistant properties, resistance to flash rusting and suitability for SPPC-SP2 and SP3-cleaned steel. May also be used as a primer or block filler over concrete masonry units. Acceptable for use on LEED projects.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Single component</li> <li>• Resistant to flash rusting</li> <li>• Outstanding corrosion protection</li> <li>• Low odor, low VOC*</li> </ul> <p>*Meets stringent VOC regulations including SCAQMD (South Coast Air Quality Management District for Industrial Maintenance)</p>
<b>Color</b>	0200 (Brown) & 0500 (Red) Other colors may be available on request. Contact your Carboline Representative for availability.
<b>Finish</b>	Eggshell
<b>Primer</b>	Self-priming. May be applied over Inorganic Zinc primers and other tightly adhering coatings. A mist coat may be required to minimize bubbling over Inorganic Zinc primers.
<b>Dry Film Thickness</b>	2 - 3 mils (51 - 76 microns) per coat <b>Do not exceed 3.0 mils in a single coat.</b> For block filler over CMU: Apply at 100-150 sq ft per gallon.
<b>Solids Content</b>	By Volume 38% +/- 2%
<b>Theoretical Coverage Rate</b>	610 ft <sup>2</sup> /gal at 1.0 mils (15.0 m <sup>2</sup> /l at 25 microns) 305 ft <sup>2</sup> /gal at 2.0 mils (7.5 m <sup>2</sup> /l at 50 microns) 203 ft <sup>2</sup> /gal at 3.0 mils (5.0 m <sup>2</sup> /l at 75 microns) Allow for loss in mixing and application.
<b>VOC Values</b>	<b>As Supplied</b> : 0.35 lbs/gal (42 g/l) <b>EPA Method 24:</b> 0.8 lbs/gal (100 g/l) (Calculated minus water and exempt solvents) These are nominal values and may vary slightly with color.
<b>Dry Temp. Resistance</b>	Continuous: 235°F (113°C) Non-Continuous: 325°F (163°C)  Slight discoloration and loss of gloss is observed above 200 F (93 C).
<b>Limitations</b>	Apply and cure at temperatures of 50°F and above for 24 hours.
<b>Topcoats</b>	Normally topcoated with water-based acrylics

## SUBSTRATES & SURFACE PREPARATION

<b>General</b>	Surfaces must be clean and dry. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating.
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# Carbocrylic<sup>®</sup> 3358 MC

## PRODUCT DATA SHEET



### SUBSTRATES & SURFACE PREPARATION

<b>Steel</b>	SSPC-SP6 with a 1.0-2.0 mil (25-50 micron) surface profile for maximum protection. SSPC-SP2 or SP3 as minimum requirement.
<b>Galvanized Steel</b>	SSPC-SP1. Lightly abrade to remove sheen and surface deposits.
<b>Concrete or CMU</b>	Mortar joints should be thoroughly cured for a minimum of 15 days at 75 F (24 C) and 50% relative humidity or equivalent. Concrete must be cured 28 days at 75 F (24 C) and 50% relative humidity or equivalent. Laitance, form oils, curing agents and surface hardeners must be removed by suitable method before coating application.

### MIXING & THINNING

<b>Mixing</b>	Power mix until uniform in consistency. Avoid excessive air entrapment.
<b>Thinning</b>	May be thinned up to 6 oz/gal (5%) with clean, potable water. Use of thinners other than those supplied or recommended by Carboline may adversely affect product performance and void product warranty, whether expressed or implied.

### 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>	Pre-rinse equipment with undiluted Carboline Surface Cleaner 3 followed by clean potable water before spraying. The following spray equipment has been found suitable and is available from manufacturers such as WIWA®.
<b>Conventional Spray</b>	Pressure pot equipped with dual regulators, ½" I.D. minimum material hose, .086" I.D. fluid tip and appropriate air cap.
<b>Airless Spray</b>	Pump Ratio: 30:1 (min.)* Pump Ratio: 45:1 for two or more guns GPM Output: 3.0 (min.) Material Hose: 3/8" I.D. (min.) Tip Size: .017-.019" Output PSI: 1800-2200 Filter Size: 60 mesh *Teflon packings are recommended and available from the pump manufacturer. For ease of application, remove the pickup tube and immerse the lower unit directly into the material.
<b>Brush &amp; Roller (General)</b>	Multiple coats may be required to achieve desired appearance, hiding and recommended dry film thickness. Avoid excessive re-brushing or re-rolling.
<b>Brush</b>	Use a synthetic bristle brush.
<b>Roller</b>	Use a short-nap synthetic roller cover with phenolic core.

## APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	50°F (10°C)	50°F (10°C)	50°F (10°C)	0%
Maximum	105°F (41°C)	130°F (54°C)	110°F (43°C)	85%
Optimum	75°F (24°C)	75°F (24°C)	78°F (26°C)	45%

**Do not apply when the surface temperature is less than 5°F (3°C) above the dew point. Do not apply if temperatures are expected to drop below 50°F (10°C) within 24 hours of application.** Condensation due to substrate temperatures below the dew point can cause flash rusting on prepared steel and interfere with proper adhesion to the substrate. Special application techniques may be required above or below normal application conditions.

## CURING SCHEDULE

Surface Temp.	Dry to Handle	Dry to Topcoat
50°F (10°C)	3 Hours	3 Hours
75°F (24°C)	2 Hours	2 Hours
90°F (32°C)	1 Hour	1 Hour

These times are based on a 2.0-3.0 mil (50-75 micron) dry film thickness. Higher film thickness, insufficient ventilation, high humidity or cooler temperatures will require longer cure times.

The acrylic film forming process may require several weeks at 75°F (24°C) with proper ventilation to develop adhesion and water resistance. High humidity, high film thickness, insufficient ventilation or cooler temperatures will lengthen the Dry to Handle and Dry to Topcoat times due to slower water evaporation rate. Waterborne acrylics are sensitive to moisture during early cure and are susceptible to handling damage.

## CLEANUP & SAFETY

<b>Cleanup</b>	Use clean potable water followed with suitable solvent to dry equipment. In case of spillage, absorb and dispose of in accordance with local applicable regulations.
<b>Safety</b>	Read and follow all caution statements on this product data sheet and on the SDS for this product. Employ normal workmanlike safety precautions. Use adequate ventilation. Keep container closed when not in use.

## PACKAGING, HANDLING & STORAGE

<b>Shelf Life</b>	24 months at 75°F (24°C) *Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers.
<b>Storage Temperature &amp; Humidity</b>	40° -110°F (4°-43°C) 0-95% Relative Humidity
<b>Storage</b>	Store Indoors. KEEP FROM FREEZING.
<b>Shipping Weight (Approximate)</b>	1 Gallon - 11 lbs (5 kg) 5 Gallons - 53 lbs (24 kg) 50 Gallons - 565 lbs (257 kg)
<b>Flash Point (Setaflash)</b>	>200°F (93°C)

# Carbocrylic® 3358 MC

## PRODUCT DATA SHEET



### 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 Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Carboline quality control. We assume no responsibility for coverage, performance, injuries or damages resulting from use. Carbolines sole obligation, if any, is to replace or refund the purchase price of the Carboline product(s) proven to be defective, at Carbolines option. Carboline shall not be liable for any loss or damage. 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.