

## SELECTION & SPECIFICATION DATA

<b>General Paint Name</b>	Mild solvent-based intermediate coating for polysiloxane topcoats
<b>Generic Type</b>	Acrylic polyol/ modified polyisocyanate
<b>Description</b>	Mild solvent-based intermediate coating with environmental- and human-friendliness. Recommended for the use for the following; - Steel structures such as roofs, tank exterior, bridges, towers, piping and building structures - Steel members in architectural structures such as doors, stairs, and handrails
<b>Features</b>	<ul style="list-style-type: none"> <li>• Low odor</li> <li>• Free of harmful heavy metals</li> <li>• Excellent adhesion characteristics to various primers and topcoats</li> </ul>
<b>Color</b>	White, Light colors, and others.
<b>Primer</b>	Carbomastic Mild, etc.
<b>Solid(s) Content</b>	By Volume 46% +/- 3%
<b>Solids Content</b>	By Weight 61% +/- 3%
<b>Mixed Density</b>	1.08 +/- 0.03 g/ cm <sup>3</sup>
<b>VOC Values</b>	<b>As Supplied</b> : 421 g/ L

Application Method	Dry Film Thickness (microns/coat)	Theoretical Coverage Rate (g/m <sup>2</sup> )	Practical Coverage Rate (g/m <sup>2</sup> )*
Brush/ Roller	50	118	140 ~ 160

\*: Practical Coverage Rates are estimates based on average results. Individual results may vary based on several issues including the shape and location of the item being painted as well as environmental conditions like temperature, humidity and wind. The skill level of those applying the paint will also impact the final results. For details, consult Japan Carboline staff.

<b>Wet/ Dry (As Supplied)</b>	2.17
<b>Sag Resistance (Dry)</b>	140 microns
<b>Dry Temp. Resistance</b>	Continuous: 93°C (199°F) Non-Continuous: 121°C (250°F)
<b>Limitations</b>	Cannot be used for immersion services.
<b>Topcoats</b>	Siloxane Ace HB Mild, etc.

## SUBSTRATES & SURFACE PREPARATION

<b>General</b>	Surfaces must be clean and dry. Remove any oil or grease from surface to be coated with clean rags soaked in an adequate solvent.
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# Multi-Gard 25 Siloxane Ace Mild M

## PRODUCT DATA SHEET



### MIXING & THINNING

<b>Mixing</b>	Combine Part A and B, and power mix until uniform consistency.  In principle, the whole contents in the containers of Part A and B should be mixed together. When using partial kits out of necessity, agitate Part A until uniform consistency, use a scale to weigh each part precisely, then combine and power mix until uniform consistency.
<b>Thinning</b>	Use of Carboline Thinner 45 is recommended.  Use of thinners other than those supplied or recommended by JAPAN CARBOLINE may adversely affect product performance.
<b>Ratio</b>	Part A : Part B = 7 : 1 (by weight)
<b>Pot Life</b>	5°C: 6 hours 10°C: 6 hours 20°C: 4 hours 30°C: 2 hours

### 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.

**Application Tool** | Brush, Roller

### APPLICATION CONDITIONS

Condition	Surface	Ambient	Humidity
Minimum	5°C (41°F)	5°C (41°F)	0%
Maximum	50°C (122°F)	40°C (104°F)	85%

### CURING SCHEDULE

Surface Temp.	Dry Hard	Minimum Topcoat Time with Mild Solvent-Based Topcoats	Maximum Topcoat Time with Mild Solvent-Based Topcoats	Minimum Topcoat Time with Water-Based Topcoats	Maximum Topcoat Time with Water-Based Topcoats
5°C (41°F)	24 Hours	8 Hours	7 Days	24 Hours	5 Days
10°C (50°F)	24 Hours	8 Hours	7 Days	24 Hours	5 Days
20°C (68°F)	18 Hours	5 Hours	7 Days	24 Hours	5 Days
30°C (86°F)	18 Hours	3 Hours	7 Days	24 Hours	5 Days

Curing schedule is based on 50 micron dry film thickness. Higher film thickness, insufficient ventilation or cooler temperatures will require longer cure times and could result in solvent entrapment and premature failure.

### PACKAGING, HANDLING & STORAGE

<b>Shelf Life</b>	6 months  When kept in original unopened containers.
<b>Storage</b>	Store indoors.

### PACKAGING, HANDLING & STORAGE

Net Weight	16 kg kit	8 kg kit
Part A	14 kg	7 kg
Part B	2 kg	1 kg

**Flash Point (Setaflash)** | Part A: 43°C  
Part B: 44.5°C  
Carboline Thinner 45: 41°C

### UPDATE INFORMATION

**Last Modified** | May, 2023

**Control Number** | PDS185-004

### 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.