

## SELECTION & SPECIFICATION DATA

<b>General Paint Name</b>	Waterborne, high-build, inorganic polysiloxane paint
<b>Generic Type</b>	Polysiloxane resin, waterborne
<b>Description</b>	High-build polysiloxane paint with ultra-high weathering resistance. This waterborne product contributes to reduction of environmental burdens. Recommended for the use for plant exterior, steel structures, bridges, off-shore structures, wastewater treatment plants, etc., where weathering resistance and gloss retention are desired.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Ultra-high weathering resistance</li> <li>• Waterborne, Low-polluting</li> <li>• Two-component, Gloss-finish</li> <li>• Excellent flexibility and flame retardance</li> </ul>
<b>Color</b>	White, Light Colors, and others
<b>Finish</b>	Gloss
<b>Primer</b>	Carboguard Mild, etc.
<b>Solid(s) Content</b>	By Volume 35% +/- 2%
<b>Solids Content</b>	By Weight 48% +/- 2%
<b>Mixed Density</b>	1.19 +/- 0.05 g/ cm <sup>3</sup>
<b>VOC Values</b>	As Supplied : 98 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	40	136	200

\*: 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>	2.86
<b>Sag Resistance (Dry)</b>	50 microns
<b>Dry Temp. Resistance</b>	Continuous: 93°C (199°F) Non-Continuous: 121°C (250°F)
<b>Limitations</b>	Not recommended for immersion services.

## SUBSTRATES & SURFACE PREPARATION

<b>General</b>	Generally applied over epoxy primers or intermediate coatings. 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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# Siloxane Ace HBW

## PRODUCT DATA SHEET



### MIXING & THINNING

	Combine Part A and B, and power mix until uniform consistency.
<b>Mixing</b>	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.
	May be thinned with clean potable water by up to 5 weight %.
<b>Thinning</b>	Use of thinners other than those supplied or recommended by JAPAN CARBOLINE may adversely affect product performance.
<b>Ratio</b>	Part A : Part B = 15 : 1 (by weight)
<b>Pot Life</b>	5°C: 8 hours 10°C: 6 hours 20°C: 4 hours 30°C: 3 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)	35°C (95°F)	85%

### CURING SCHEDULE

Surface Temp.	Dry Hard	Maximum Recoat Time	Minimum Recoat Time
5°C (41°F)	72 Hours	7 Days	4 Hours
10°C (50°F)	48 Hours	7 Days	4 Hours
20°C (68°F)	24 Hours	5 Days	2 Hours
30°C (86°F)	24 Hours	5 Days	2 Hours

Curing schedule is based on 40 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

**Shelf Life** | 6 months (when kept in original unopened containers)

**Storage** | Store indoors.

Net Weight	16 kg kit
<b>Part A</b>	15 kg
<b>Part B</b>	1 kg

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## PACKAGING, HANDLING & STORAGE

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**Flash Point (Setaflash)** | Part A: -  
Part B: 95°C

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## UPDATE INFORMATION

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**Last Modified** | July, 2022

**Control Number** | PDS060-012

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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.