

SELECTION & SPECIFICATION DATA

General Paint Name	Waterborne, high-build, inorganic polysiloxane paint
Generic Type	Polysiloxane resin, waterborne
Description	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.
Features	<ul style="list-style-type: none"> • Ultra-high weathering resistance • Waterborne, Low-polluting • Two-component, Gloss-finish • Excellent flexibility and flame retardance
Color	White, Light Colors, and others
Finish	Gloss
Primer	Carboguard Mild, etc.
Solid(s) Content	By Volume 35% +/- 2%
Solids Content	By Weight 48% +/- 2%
Mixed Density	1.19 +/- 0.05 g/ cm ³
VOC Values	As Supplied : 98 g/ L

Application Method	Dry Film Thickness (microns/coat)	Theoretical Coverage Rate (g/m ²)	Practical Coverage Rate (g/m ²)*
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.

Wet/ Dry (As Supplied)	2.86
Sag Resistance (Dry)	50 microns
Dry Temp. Resistance	Continuous: 93°C (199°F) Non-Continuous: 121°C (250°F)
Limitations	Not recommended for immersion services.

SUBSTRATES & SURFACE PREPARATION

General	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.
Mixing	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 %.
Thinning	Use of thinners other than those supplied or recommended by JAPAN CARBOLINE may adversely affect product performance.
Ratio	Part A : Part B = 15 : 1 (by weight)
Pot Life	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
Part A	15 kg
Part B	1 kg

PACKAGING, HANDLING & STORAGE

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

UPDATE INFORMATION

Last Modified | July, 2022

Control Number | PDS060-012

WARRANTY

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