

**SELECTION & SPECIFICATION DATA**

<b>General Paint Name</b>		Waterborne polyurethane resin paint
<b>Generic Type</b>		Waterborne, aliphatic acrylic polyurethane
<b>Description</b>		Thin film, high gloss finish with exceptional weathering performance characteristics. Used for the weathering protection of a variety of substrates in all architectural and industrial markets. It provides a smooth, durable finish that has excellent weathering resistance, gloss and color retention.
<b>Features</b>		<ul style="list-style-type: none"> <li>• Water-based, low VOC</li> <li>• Excellent weathering resistance</li> <li>• Flexible, impact- and abrasion-resistant film</li> </ul>
<b>Color</b>		White and Light Colors
<b>Finish</b>		Gloss
<b>Primer</b>		Carboguard 553, etc.
<b>Solid(s) Content</b>		By Volume 50% +/- 2%
<b>Solids Content</b>		By Weight 61% +/- 2%
<b>Mixed Density</b>		1.25 +/- 0.05 g/ cm <sup>3</sup>
<b>VOC Values</b>		<b>As Supplied</b> : 86 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> )*
Spray	30-50	74-124	140-230
Brush/ Roller	30-50	74-124	120-190

\*: 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>		2.00
<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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**MIXING & THINNING**

<b>Mixing</b>		Power mix Part A, combine with Part B, then 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 and B separately, until uniform consistency, use a scale to weigh each part precisely, then combine and power mix until uniform consistency.
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# Carbothane 234 WB

## PRODUCT DATA SHEET



### MIXING & THINNING

<b>Thinning</b>	Maybe thinned with clean potable water by 5-15% by weight.
	Use of thinners other than those supplied or recommended by JAPAN CARBOLINE may adversely affect product performance.
<b>Ratio</b>	Part A : Part B = 5 : 1 (by weight)
<b>Pot Life</b>	24°C: 1.5 hours
	Pot life times will be less at higher temperatures. Pot life ends when coating becomes too viscous to use. <b>Caution:</b> Any unused, catalyzed material will "mushroom" and expand to twice of its original volume, if left in the container.

### 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** | Airless spray, Brush, Roller

### APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	10°C (50°F)	10°C (50°F)	10°C (50°F)	10%
Maximum	38°C (100°F)	49°C (120°F)	43°C (109°F)	80%

**Do not apply when the substrate temperature is less than 3°C above the dew point. Do not apply if substrate temperature is expected to drop below 10°C within 24 hours of application.** Special application techniques may be required above or below normal application conditions.

**Caution:** Protect from high humidity, dew and direct moisture contact until fully cured. Application and/or curing in humidity above maximum, or exposure to moisture from rain or dew may result in a loss of gloss and/or microbubbling of the product.

### CURING SCHEDULE

Surface Temp.	Dry to Handle	Maximum Recoat Time	Minimum Recoat Time
10°C (50°F)	48 Hours	7 Days	48 Hours
24°C (75°F)	24 Hours	3 Days	24 Hours

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

**Shelf Life** | 12 months (when kept in original unopened containers)

**Storage** | Store indoors.

Net Weight	18 kg kit	3 kg kit
<b>Part A</b>	15 kg	2.5 kg
<b>Part B</b>	3 kg	0.5 kg

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## PACKAGING, HANDLING & STORAGE

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<b>Storage Temperature &amp; Humidity</b>	Temperature: 4-43°C
	Relative Humidity: 0-80%
	Store indoors.

<b>Flash Point (Setaflash)</b>	Part A: > 93°C
	Part B: 47°C

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## UPDATE INFORMATION

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**Last Modified** | June, 2022

**Control Number** | PDS159-007

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## WARRANTY

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