

SELECTION & SPECIFICATION DATA

General Paint Name	High-build, epoxy resin paint
Generic Type	Epoxy/ polyamide amine
Description	High-build type epoxy sealer that is suitable for concrete or mortar substrates. Recommended for the use for concrete substrates of nuclear power plants.
Features	<ul style="list-style-type: none"> • Excellent decontamination capability • Very high-solid, less shrinkage • "Low VOC paint" (Weight solids ≥ 70%)
Color	Light yellow
Primer	Direct to substrates.
Solid(s) Content	By Volume 97% +/- 2%
Solids Content	By Weight 99% +/- 1%
Mixed Density	1.73 +/- 0.05 g/ cm ³
VOC Values	As Supplied : 24 g/ L

Application Method	Dry Film Thickness (microns/coat)	Theoretical Coverage Rate (g/m ²)	Practical Coverage Rate (g/m ²)*
Spray	500	888	1,430 ~ 1,600
Brush/ Roller	100	178	240 ~ 270

*: 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)	1.03
Sag Resistance (Dry)	973 microns
Dry Temp. Resistance	Continuous: 93°C (199°F) Non-Continuous: 149°C (300°F)
Limitations	Not recommended for immersion services without any suitable topcoats.

SUBSTRATES & SURFACE PREPARATION

General	Remove any oil or grease from surface to be coated with clean rags soaked in an adequate solvent.
Concrete	Concrete must be cured at least 28 days at 20°C and 50% RH or equivalent. Roughen the surface to be coated with sandpaper. Laitance should be removed by suitable means before coating application.

Carboguard 195 Surfacer

PRODUCT DATA SHEET



MIXING & THINNING

Mixing	<p>Power mix Part A and B separately, until uniform consistency, then combine and power mix until uniform consistency.</p> <p>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.</p>
Thinning	<p>Use of Carboline Thinner 15 is recommended. For extremely warm or windy conditions, may be thinned with Carboline Thinner 33 to prevent spray dusts and/or bubbling.</p> <p>Use of thinners other than those supplied or recommended by JAPAN CARBOLINE may adversely affect product performance.</p>
Ratio	Part A : Part B = 50 : 50 (by weight)
Pot Life	5°C: 4.5 hours 10°C: 3 hours 20°C: 1.5 hours 30°C: 0.8 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	Airless spray, Air spray, Roller, Knife, and Trowel
Airless Spray	<ul style="list-style-type: none">• Pump Ratio: 45 : 1• Output Pressure: 15-20 MPa• Tip Size: 0.031-0.035"• Filter Size: No use• Thinning: 10-20 weight %• Appropriate Viscosity: 2.0-4.0 Pa·s (20-40 Poise)

APPLICATION CONDITIONS

Condition	Surface	Ambient	Humidity
Minimum	7°C (45°F)	7°C (45°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)	96 Hours	60 Days	96 Hours
10°C (50°F)	48 Hours	45 Days	48 Hours
20°C (68°F)	24 Hours	30 Days	24 Hours
30°C (86°F)	18 Hours	15 Days	18 Hours

Curing schedule is based on 100 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	24 kg kit
Part A	12 kg
Part B	12 kg

Flash Point (Setaflash) | Part A: 56°C
Part B: 94°C
Carboline Thinner 15: 27°C
Carboline Thinner 33: 35°C

UPDATE INFORMATION

Last Modified | May, 2023

Control Number | PDS006-013

WARRANTY

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