

SELECTION & SPECIFICATION DATA

General Paint Name	Solvent-free epoxy resin paint
Generic Type	Epoxy/ modified aliphatic polyamine
Description	Solvent-free epoxy resin paint with human-friendliness and environmental-friendliness. High build characteristics allow lower number of coats and shorter work period. Can be applicable to hand-tool-cleaned or power-tool-cleaned surfaces. Recommended for the use for indoor applications such as underground multistory car parks, where use of organic solvents is restricted.
Features	<ul style="list-style-type: none"> • 100% solids, solvent-free • Low odor/ Can be applied indoors. • Free of harmful heavy metals • VOC-compliant
Color	White and Light Colors
Finish	Gloss
Primer	Carboguard Nonsol (in two-coat system), etc.
Solid(s) Content	By Volume 100%
Solids Content	By Weight 100%
Mixed Density	1.42 +/- 0.05 g/ cm ³
VOC Values	As Supplied : 0 g/ L

Application Method	Dry Film Thickness (microns/coat)	Theoretical Coverage Rate (g/m ²)	Practical Coverage Rate (g/m ²)*
Roller	100	143	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.

Wet/ Dry (As Supplied)	1.00
Sag Resistance (Dry)	200 microns
Dry Temp. Resistance	Continuous: 93°C (199°F) Non-Continuous: 121°C (250°F)
Limitations	Not recommended for immersion services, or long-term exposure to ketones or alcohols.
Topcoats	Carbothane Nonsol Top, etc.

SUBSTRATES & SURFACE PREPARATION

General	Surfaces must be clean and dry. Remove loose rust, existing coatings, dust and all other contaminants with hand tools or power tools in accordance with ISO St 2.
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Carboguard Nonsol

PRODUCT DATA SHEET



MIXING & THINNING

	Power mix Part A, combine with Part B, then 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 and B separately, until uniform consistency, use a scale to weigh each part precisely, then combine and power mix until uniform consistency.
Thinning	Not required.
Ratio	Part A : Part B = 85 : 15 (by weight)
Pot Life	5°C: 60 minutes 10°C: 60 minutes 20°C: 20 minutes 30°C: 15 minutes

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.

General	<ul style="list-style-type: none">• Pay enough attention to ambient temperature and pot life.• All of mixed material must be used up within its pot life.• DO NOT BLEND freshly-mixed material with "old" mixtures.• Application tools (rollers, and maybe brushes) are single-use only and should be properly disposed of after use.
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Application Tool | Rollers, short-nap ones, in particular, are recommended.

APPLICATION CONDITIONS

Condition	Surface	Ambient	Humidity
Minimum	5°C (41°F)	5°C (41°F)	0%
Maximum	50°C (122°F)	38°C (100°F)	85%

Substrate temperature must be 3°C above the dew point.

CURING SCHEDULE

Surface Temp.	Dry Hard	Maximum Recoat Time	Minimum Recoat Time
5°C (41°F)	16 Hours	7 Days	16 Hours
10°C (50°F)	16 Hours	7 Days	16 Hours
20°C (68°F)	10 Hours	7 Days	10 Hours
30°C (86°F)	8 Hours	7 Days	8 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. Excessive humidity or condensation on the surface during curing can interfere with the cure, can cause discoloration and may result in a surface haze. Any haze or blush must be removed by water washing before recoating.

PACKAGING, HANDLING & STORAGE

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

PACKAGING, HANDLING & STORAGE

Storage | Store indoors.

Net Weight	4 kg kit
Part A	3.4 kg
Part B	0.6 kg

Flash Point (Setaflash) | Part A: 96°C
Part B: 93°C

UPDATE INFORMATION

Last Modified | June, 2022

Control Number | PDS012-014

WARRANTY

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