

SELECTION & SPECIFICATION DATA

General Paint Name	Alkyd resin paint
Generic Type	Alkyd resin
Description	Single-component alkyd resin topcoat with excellent appearance and gloss. Recommended for the use for such facilities where decorative and gloss finish, rather than chemical resistance, is desired, as plant facilities, mining machines, farm facilities, construction machineries, road construction machines, pipe supports, building frames, safety color indicators, tank exteriors, and other steel structures.
Features	Excellent in appearance and gloss
Color	Available in a limited variety of colors
Finish	Gloss
Primer	Multi-Gard FC74, etc.
Solid(s) Content	By Volume 45% +/- 2%
Solids Content	By Weight 65% +/- 2%
Density	1.20 +/- 0.03 g/ cm ³
VOC Values	As Supplied : 420 g/ L

Application Method	Dry Film Thickness (microns/coat)	Theoretical Coverage Rate (g/m ²)	Practical Coverage Rate (g/m ²)*
Spray	20	52	130
Brush	20	52	100

*: 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)	2.20
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. Not recommended for splash and spillage of acids, alkalis, or solvents.

SUBSTRATES & SURFACE PREPARATION

General | Remove any oil or grease from surface to be coated with clean rags soaked in an adequate solvent.

MIXING & THINNING

Mixing | Prior to application, power mix until uniform consistency.

Multi-Gard GP62

PRODUCT DATA SHEET



MIXING & THINNING

Thinning

Use of Carboline Thinner 45 is recommended.

Use of thinners other than those supplied or recommended by JAPAN CARBOLINE may adversely affect product performance.

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, Brush

Airless Spray

- Pump Ratio: 30 : 1
- Output Pressure: 10-15 MPa
- Tip Size: 0.015-0.019"
- Filter Size: 50 Mesh (if needed)
- Thinning: up to 20 weight %
- Appropriate Viscosity: 40-70 sec. (IHS Cup)

APPLICATION CONDITIONS

Condition	Surface	Ambient	Humidity
Minimum	2°C (36°F)	2°C (36°F)	0%
Maximum	50°C (122°F)	49°C (120°F)	85%

CURING SCHEDULE

Surface Temp.	Dry Hard	Maximum Recoat Time	Minimum Recoat Time
5°C (41°F)	72 Hours	90 Days	72 Hours
10°C (50°F)	48 Hours	90 Days	48 Hours
20°C (68°F)	24 Hours	90 Days	24 Hours
30°C (86°F)	24 Hours	90 Days	24 Hours

These times are based on 20 microns of 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.

Packaging | 16 kg kit

Flash Point (Setaflash) | Multi-Gard GP62: 34°C
Carboline Thinner 45: 41°C

UPDATE INFORMATION

Last Modified | June, 2022

Control Number | PDS054-013

WARRANTY

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