

Selection & Specification Data

Generic Type	Modified Alkyd		
Description	Carboline GP-62 Finish is a high gloss, moderately fast drying enamel. It has excellent weathering properties, combining high initial gloss with very good gloss retention. Can be applied over most alkyd primers. Has excellent flexibility and weathering resistance and good abrasion resistance.		
Features	<ul style="list-style-type: none"> *Single component *Good weathering *Easily applied by brush, roller or spray *Good corrosion protection and weatherability 		
Color	Available in variety of colors. Consult your local Carboline Sales Representative or Customer Service for availability.		
Primers	May be applied over most alkyd primers. Refer to Substrates & Surface Preparation.		
Dry Film Thickness	GP-62 finish	2 mils (50 microns)	
	GP-62 Aluminum	1.5 mils (37.5 microns)	
Solids Content		By Volume	
	GP-62 finish	50%±2%	
	GP-62 Aluminum	35%±2%	
Theoretical Coverage Rate	GP-62 finish	802 mil sq. ft. (19.7 sq.m/l at 25 microns)	
		501 sq. ft. at 2 mils (12.3 sq.m/l at 40 microns)	
	GP-62 Aluminum	561 mil sq. ft. (16.0 sq.m/l at 25 microns)	
		374 sq. ft. at 1.5 mils (8.0 sq.m/l at 40 microns)	
Dry Temp. Resistance	Continuous	: 200°F (93°C)	
	Non continuous	: 250°F (121°C)	
Limitations	Immersion service or splash & spillage of acids, alkalis or solvents.		
Chemical Resistance Guide	Exposure	Splash & Spillage	Fumes
	Acids	NR	Poor
	Alkalies	NR	Poor
	Solvents	NR	Por
	Salt (Brines)	Good	Good
	Water	Excellent	Excellent
	NR = not recommended		

Substrates & Surface Preparation

General	Remove any oil or grease from surface to be coated with clean rags soaked in Carboline thinner #2 or Toluol in accordance with SSPC-SP1
Steel	SSPC-SP6 with a 1.0-2.0 mil (25-50micron) surface profile for maximum protection. SSPC-SP2 or SP3 as minimum requirement. Prime with specific Carboline primers defined in Market Guides or as recommended by your Carboline sales representative.
Galvanized Steel	SSPC-SP1 Prime with Carbocrylic@ 120 or others as shown in Market Guides
Previously Painted Surfaces	Lightly sand or abrade to roughen and degloss the surface. Existing paint Surfaces must attain a minimum 3B rating in accordance with ASTM D3359 "X-Scribe" adhesion test. Prime with Carbocrylic 120 or others as shown in Market Guides.

Application Equipment

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 Guidelines:**

Spray Application (General)	Use sufficient air volume for correct operation of equipment. Use 50% overlap with each pass of the gun. On irregular surfaces, coat the edges first, making an extra pass later.		
Conventional Spray	Use 3/8" I.D. minimum material hose. Hold gun approximately 12-24 inches from the surface and at a right angle to the surface.		
	Mfr. & Gun	Fluid Tip	Air Cap
	Binks#18 or #62	63B	63PB
	DeVilbiss P-MBC or JGA	FX	704
	Approx. 043"ID		
Airless Spray	Use 3/8" I.D. minimum material hose. Hold gun approximately 18-20 inches from the surface and at a right angle to the surface.		
	Mfr. & Gun	Pump*	
	DeVilbiss JGA-5026	QFA-514	
	Graco 205-162	President 30:1 or	
	Binks 500	Bulldog 30:1	
		Mercury 5C	
	*Teflon packing are recommended and available from manufacturer. Use a 013-.017" tip with 2000 psi.		

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Carbocoat® GP62

Brush & Roller (General) Multiple coats may be required to achieve desired appearance, hiding and recommended dry film thickness. Avoid excessive re-brushing or re-rolling.

Brush Use medium bristle brush or short nap roller

Roller Use medium bristle brush or short nap roller

Mixing & Thinning

Mixing Power Mix to uniform consistency before thinning.

Thinning Thin up 10% by volume with Carboline Thinner #45

Cleanup & Safety

Cleanup Use Thinner #2 or Acetone. In case of spillage, absorb and dispose of in accordance with local applicable regulations

Safety Read and follow all caution statements on this product data sheet and on the MSDS for this product. Employ normal workmanlike safety precautions. Use adequate ventilation and wear gloves or use protective cream on face and hands if hypersensitive. Keep container closed when not in use

Ventilation When used in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapor concentration from reaching the lower explosion limit for the solvents used. User should test and monitor exposure levels to insure all personnel are below guidelines. If not sure or if not able to monitor levels, use MSHA/NIOSH approved respirator.

Caution This product contains flammable solvents. Keep away from sparks and open flames. In confined areas, workmen must wear appropriate respirator protection. All electrical equipment and installations should be made and grounded in accordance with the National Electric Code. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools and wear conductive and non-sparking shoes

Application Conditions

Condition	Material	Surface	Ambient	Humidity
Normal	50-90°F (10-32°C)	55-90°F (13-32°C)	55-100°F (13-38°C)	30-95%
Minimum	35°F (2°C)	35°F (2°C)	35°F (2°C)	0%
Maximum	120°F (49°C)	165°F (74°C)	120°F (49°C)	98%

Curing Schedule

Surface Temp. & 50% Relative Humidity	Final Cure
50°F (10°C)	48-72 hrs
60°F (16°C)	36-48 hrs
75°F (24°C)	24-36 hrs
90°F (32°C)	20-24 hrs

This product simply requires the substrate temperature to be above the dew point. Condensation due to substrate temperatures below the dew point can cause flash rusting on prepared steel and interfere with proper adhesion to the substrate. Special application techniques may be required above or below normal application conditions

Packaging, Handling & Storage

Shipping Weight (Approximate)

	1's
GP-62 Finish	5 ltrs. (6.3 kg)

	1's
GP-62 Aluminum	5 ltrs. (6.3 kg)

	1's
Thinner #45	5 ltrs. (4.25 kg)

Flash Point (Setaflash)	GP62	50°F (10°C)
	Thinner #45	105°F (41°C)

Storage Temperature & Humidity 35°F (2°C) to 110°F (43°C), 0-100%

Shelf Life 12 months minimum at 32° C

***Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers.**



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