product data

Carboline® 298 Gloss

Selection Data

GENERIC TYPE : A high gloss epoxy polyamide. Part A and Part B mixed prior to application.

GENERAL PROPERTIES : Carboline 298 Gloss is a high-gloss finish coat with excellent appearance, water resistance, chemical resistance, gloss and smoothness, and excellent physical properties. Convenient mixing ratio provides for easy use in the field.

RECOMMENDED USES : As a seal coat over Carboline 193 Finish, Carboline 190 HB or similar materials where a smooth, hard, glossy surface is desired for appearance, ease of cleaning or to prevent dirt accumulation, Carboline 298 Gloss provides additional corrosion protection to a high build epoxy system.

NOT RECOMMENDED FOR : Immersion service, or exposure to strong acids or solvents.

CHEMICAL RESISTANCE GUIDE :

Exposure	Splash & Spillage	Fumes
Acids	Good	Very Good
Alkalies	Very Good	Excellent
Solvents	Good	Excellent
Salt	Excellent	Excellent
Water	Excellent	Excellent

TEMPERATURE RESISTANCE : (non-immersion)
Continuous : 200°F(93℃)
Non-continuous : 250°F(121℃)

FLEXIBILITY : Very Good

WEATHERING : Good (Chalks)

ABRASION RESISTANCE : Excellent

SUBSTRATES : May be applied over properly primed metals, cementitious surface or others as recommended.

TOPCOAT REQUIRED : Normally applied as a gloss coat over Carboguard 893 and/or 890.

COMPATIBILITY WITH OTHER COATINGS : Catalyzed epoxies and phenolic coatings as recommended.

Specification Data

THEORETICAL SOLIDS CONTENT OF MIXED MATERIAL :

	By Volume
Carboline 298 Gloss	49% ± 2%

* Varies with Color

RECOMMENDED DRY FILM THICKNESS PER COAT :
2 mils (50µ)

NOTE : Light colors of Carboline 298 Gloss may require two coats to hide when applied over dark surfaces.

THEORETICAL COVERAGE PER MIXED GALLON :*
786 mil sq. ft. (19.6 sq. m/ℓ at 25µ)
393 sq. ft. at 2 mils (9.8 sq. m/ℓ at 50µ)

***NOTE :** Material losses during mixing and application will vary and must be taken into consideration when estimating job requirements.

SHELF LIFE : 12 months minimum.

COLORS : Available in a variety of colors. Consult your local Carboline Sales Representative or Carboline Customer Service for availability.

GLOSS : High

Ordering Information

Prices may be obtained from Carboline sales representative or Main Office.

APPROXIMATE SHIPPING WEIGHT :

	2's	10's
Carboline 298 Gloss	23 lbs.(10.5 kg)	155 lbs.(70.4 kg)
Carboline Thinner #15	9 lbs.(4.1 kg) in 1's	45 lbs.(20.4 kg) in 5's
Carboline Thinner #33	9 lbs.(4.1 kg) in 1's	45 lbs.(20.4 kg) in 5's

FLASH POINT : (Pensky-Martens Closed Cup)

Carboline 298 Gloss Part A	66°F(19℃)
Carboline 298 Gloss Part B	60°F(16℃)
Carboline Thinner #15	77°F(25℃)
Carboline Thinner #33	101°F(28℃)

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Carboline® 298 Gloss

SURFACE PREPARATIONS : Remove any oil or grease from surface to be coated with clean rags soaked in Carboline Thinner #2 or toluol in accordance with SSPC-SP 1-82.

Steel : Apply over clean, dry recommended primer or tie coat.

Concrete : Apply over clean, dry recommended surface or primer.

MIXING : Power mix separately, then combine and mix in the following proportions:

	5 Gal. Kit
Carboline 298 Gloss Part A	4 gals.
Carboline 298 Gloss Part B	1 gals.

Thin up to 15% by volume with Carboline Thinner #15 for spray applications. For brush or roller applications, use Carboline Thinner #33 up to 5% by volume.

NOTE : Use of thinners other than those supplied or approved by Carboline may adversely affect product performance and void product warranty, whether express or implied.

POT LIFE : 4 hours at 75°F(24℃) and less at higher temperatures. Pot life ends when coating loses body and begins to sag.

APPLICATION TEMPERATURES :

	Material	Surfaces
Normal	65-85°F(18-29℃)	65-85°F(18-29℃)
Minimum	55°F(13℃)	50°F(10℃)
Maximum	90°F(32℃)	135°F(57℃)

	Ambient	Humidity
Normal	60-75°F(16-24℃)	NA
Minimum	45°F(7℃)	0%
Maximum	95°F(35℃)	90%

Do not apply when the surface temperature is less than 5°F (3℃) above the dew point.

Special thinning and application techniques may be required above or below normal conditions.

SPRAY : Use sufficient air volume for correct operation of equipment.

Use a 50% overlap with each pass of the gun. On irregular surfaces, coat the edges first, making an extra pass later.

NOTE : The following equipment has been found suitable, however, equivalent equipment may be substituted.

Conventional : Use a 3/8" minimum I.D. material hose. Hold gun approximately 12-14 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 Approx..043" I.D.	704

Airless : Use a 3/8 " minimum I.D. material hose. Hold gun approximately 18-20 inches from the surface and at a right angle to the surface.

Mfr. & Gun	Pump*
DeVilbiss JGB-507	QFA-519
Graco 205-591	President 30 : 1 or Bulldog 30 : 1
Binks Model 700	B5-18 29 :1 or B8-36 37 : 1

*Teflon packings are recommended and available from pump manufacturer.

Use a .013 " -.015 " tip with 2000 psi.

BRUSH OR ROLLER : For small areas or touch-up only. Use a medium, natural bristle brush, with full strokes. Avoid rebrushing. Use short nap mohair roller with phenolic core. Thin up to 10% by volume with Carboline Thinner #33.

DRYING TIMES :

Temperature	Between Coats	Final Cure
50°F(10℃)	24 Hours	12 Days
60°F(16℃)	12 Hours	6 Days
75°F(24℃)	6 Hours	3 Days
90°F(32℃)	3 Hours	2 Days

CLEAN UP : Use Carboline Thinner #2.

STORAGE CONDITIONS :
Temperature : 40-110°F(4-43℃)
Humidity : 0-100%

CAUTION: CONTAINS FLAMMABLE SOLVENTS. KEEP AWAY FROM SPARKS AND OPEN FLAMES. IN CONFINED AREAS WORKMEN MUST WEAR FRESH AIRLINE RESPIRATORS. HYPERSENSITIVE PERSONS SHOULD WEAR GLOVES OR USE PROTECTIVE CREAM. ALL ELECTRIC EQUIPMENT AND INSTALLATIONS SHOULD BE MADE AND GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. IN AREAS WHERE EXPLOSION HAZARDS EXIST. WORKMEN SHOULD BE REQUIRED TO USE NONFERROUS TOOLS AND TO WEAR CONDUCTIVE AND NONSPARKING SHOES.