product data sheet

carboline®

CARBOLINE® 134

SELECTION DATA

GENERIC TYPE: Aliphatic Acrylic Polyurethane. Part A and Part B mixed prior to application.

GENERAL PROPERTIES: CARBOLINE 134 a glossy, tile-like attractive topcoat, produces a smooth, slick and hard film which is readily cleaned. CARBOLINE 134 has very good resistance to splash and spillage of acids, alkalies and most solvents. It exhibits excellent resistance to splash and spillage of salts and water. It is easily applied by airless or conventional spray.

- Excellent gloss and color retention
- Excellent weatherability
- Excellent abrasion resistance
- Excellent flexibility

RECOMMENDED USES: Recommended as a finish coat for exteriors of tank, equipment, piping, structural steel and concrete surfaces where chemical resistance, toughness and weatherability are required. CARBOLINE 134 is an excellent coating for use in chemical processing, pulp and paper, petrochemical, offshore drilling and similar demanding industries. CARBOLINE 134 also finds many applications in areas of heavy marine, institutional and waste treatment where a highly resistant and attractive coating is desired.

NOT RECOMMENDED FOR: Immersion services

TYPICAL CHEMICAL RESISTANCE:

Exposure	Splash and Spillage	Fumes
Acids (1)	Very Good	Excellent
Alkalies (1)	Very Good	Excellent
Solvents (2)	Very Good	Excellent
Salt	Excellent	Excellent
Water	Excellent	Excellent

(1) Certain colors may discolor.
(2) Resistance may vary depending on the type of solvent involved.

TEMPERATURE RESISTANCE (Non-Immersion):

Continuous:	200°F (93°C)
Non-Continuous:	250°F (121°C)

SUBSTRATES: Can be used over properly primed metals and cementitious surfaces.

COMPATIBLE COATINGS: Can be used over vinyl, acrylic, urethane, epoxy and others as recommended. Normally applied over coatings such as Carboline 190 HB and Carboline 893 Primer.

SPECIFICATION DATA

THEORETICAL SOLIDS CONTENT OF MIXED MATERIAL:

	By Volume
CARBOLINE 134	48 ± 2%

May 94 Replaces June 89

VOLATILE ORGANIC CONTENT (VOC):*
The following are nominal values:
As supplied: 3.99 lbs/gal (408 g/l)
Thinned: Utilizing Thinner #25 (spray application)

Thinner	% Thinned	Fluid Ozs./Gallon	Pounds/ Gallon	Grams/ Liter
#25	25	32	4.67	560
#82	25	32	4.76	570
#215	20	25.6	4.54	544

RECOMMENDED DRY FILM THICKNESS PER COAT:*
1.5 mils (38 microns)

*NOTE: Some colors of CARBOLINE 134 may require two coats to hide when applied over dark surfaces.

THEORETICAL COVERAGE PER MIXED GALLON:*
770 mils sq. ft. (19 sq. m/l at 25 microns)
513 mils sq. ft. (13 sq. m/l at 38 microns)

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

STORAGE CONDITIONS: Store Indoors
Temperature: 40-110°F (4-43°C)
Humidity: 0-90%

SHELF LIFE: When stored at 75°F (24°C)

CARBOLINE 134 Part A:	24 months minimum
CARBOLINE 134 Part B:	24 months minimum

NOTE: Polyurethane materials are moisture sensitive. Keep tightly covered before use. Moisture contamination will cause poor cure of the coating or gellation of Part B.

COLORS: Available in a variety of colors. Contact your local Carboline Sales Representative or Carboline Customer Service Department for availability. This product is available in Carboline's Rapid Tint System. Variance with Rapid Tint colors may be greater than with standard production batches. Check color suitability before use.

GLOSS: High gloss

ORDERING INFORMATION

Prices may be obtained from your local Carboline Sales Representative or Carboline Customer Service Representative.

APPROXIMATE SHIPPING WEIGHT:

	1's	5's
CARBOLINE 134	12 lbs. (5 kg)	57 lbs. (26 kg)
THINNER #215	8 lbs. (3.6 kg)	40 lbs. (18.2 kg)
THINNER #25	9 lbs. (4 kg)	42 lbs. (19 kg)
THINNER #82**	9 lbs. (4 kg)	42 lbs. (19 kg)

*For roller application only.
**For hot/windy conditions.

FLASH POINT: (Pensky-Martens Closed Cup)

CARBOLINE 134 Part A	63°F (17°C)
Urethane Converter 553	91°F (33°C)
THINNER #215	128°F (54°C)
THINNER #25	87°F (31°C)
THINNER #82	78°F (26°C)

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