APPLICATION INSTRUCTIONS

Carboline® 134

These instructions are not intended to show product recommendations for specific service. They are issued as an aid in determining correct surface preparation, mixing instructions and application procedure. It is assumed that the proper product recommendations have been made. These instructions should be followed closely to obtain the maximum service from the materials.

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SURFACE PREPARATION: Remove any oil or grease from the surface to be coated with clean rags soaked in THINNER #2 in accordance with SSPC-SP 1-82.

Steel: Apply over clean, dry recommended primers, surfacers and/or tiecoats.

Concrete: Apply over clean, dry recommended primers, surfacers and/or tiecoats.

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

Do not mix partial kits.

	1 Gal. Kit	5 Gal. Kit
CARBOLINE 134 Part A	7 pts.	Partial filled 5 gallon can
Urethane Converter 553	1 pt.	Partial filled 1 gallon can

THINNING: Thin up to 25% by volume with Thinner #25.

For hot and/or windy conditions use THINNER #82.

Thin up to 20% by volume with THINNER #215 for brush and roller applications. Do not exceed recommended level of thinning.

Refer to Specification Data for VOC information.

NOTE: Substitute thinners may contain alcohols which will inhibit the cure of CARBOLINE 134. 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: Four hours at 75°F (24°C) and less at higher temperatures. Pot life ends when material becomes too viscous to use.

APPLICATION CONDITIONS:

	Material	Surfaces	Ambient	Humidity
Normal	65-85°F (18-29°C)	65-85°F (18-29°C)	60-85°F (16-29°C)	35-80%
Minimum	40°F (4°C)	40°F (4°C)	40°F (4°C)	0%
Maximum	110°F (43°C)	130°F (54°C)	120°F (49°C)	85%

Do not apply when the surface temperature is less than 5°F (or 2°C) above the dew point.

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

SPRAY: The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco.

Conventional: Use a 3/8" minimum I.D. material hose, 0.043" I.D. fluid tip and appropriate air cap. Hold approximately 12-14 inches from surface and at a right angle to the surface.

Airless:

Pump Ratio:	30:1 (min)*
GPM Output:	3.0 (min.)
Material Hose:	3/8" I.D. (min.)
Tip Size:	0.013-0.015"
Output psi:	2100-2300
Filter Size:	60-100 mesh

*Teflon packings are recommended and are available from the pump manufacturer.

BRUSH OR ROLLER: Brushing recommended only for touch-up of small areas. Use natural bristle brush applying with full strokes. For roller application, use a short nap mohair roller with phenolic core. Avoid rebrushing and/or rerolling.

DRYING TIMES: These times are based on recommended dry film thickness of 1.5 mils (38 microns). Higher film thicknesses will lengthen cure times.

Surface Temperature	Dry To Handle	Final Cure
40°F (4°C)	10 hours	2 Weeks
60°F (16°C)	6 Hours	10 Days
75°F (24°C)	3 Hours	1 Week
90°F (32°C)	1/2 Hours	5 Days

RAIN RESISTANCE: Requires a minimum cure of three hours at 75°F (24°C) and longer at lower temperatures. Surface moisture before this time will decrease the gloss.

CLEANUP: Use Thinner #2.

CAUTION: READ AND FOLLOW ALL CAUTION STATEMENTS ON THIS PRODUCT DATA SHEET AND ON THE MATERIAL SAFETY DATA SHEET FOR THIS PRODUCT.

May 94 Replaces June 89

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 ELECTRIC CODE. IN AREAS WHERE EXPLOSION HAZARDS EXIST, WORKMEN SHOULD BE REQUIRED TO USE NONFERROUS TOOLS AND TO WEAR CONDUCTIVE AND NONSPARKING SHOES.

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