

## Selection & Specification Data

Generic Type:	Polyester aliphatic polyurethane
Description:	A high performance floor finish where gloss, cleanability, and UV stability are important. Typically used in combination with other flooring systems as a durable, abrasion resistant finish with excellent resistance to marring, scuffing and many commonly used chemicals.
Recommended Uses	Typical uses include, warehouses, hallways, computer rooms, display rooms, laboratories, or other similar uses where high quality appearance is desired.
Features	<ul style="list-style-type: none"> <li>. High reflectance</li> <li>. VOC compliant</li> <li>. High gloss; 90% or better</li> <li>. Very good flexibility</li> <li>. Can be applied by spray or roller</li> <li>. Excellent impact resistance</li> <li>. Excellent abrasion resistance</li> </ul>

Exposure	Spillage & Splash	Fumes
Acids (dilute)	Good	Good
Alkalies	Very Good	Very Good
Solvents	Very Good*	Excellent
Salt	Excellent	Excellent
Water	Excellent	Excellent

\* Short term exposure to ketones

SUBSTRATES: Apply over properly primed surfaces.

### ORDERING INFORMATION:

Prices may be obtained from your Union Compound Sales Representative or Union Compound Customer Service Department.

### APPROXIMATE SHIPPING WEIGHT:

UniFloor 10	1 Gal. Kit 14 lbs. (6.4 kg)	5 Gal. Kit 60 Lbs. (27.3 kg)
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### FLASH POINT: (Setaflash)

Part A	105°F (41°C)
Part B	134°F (57°C)
Thinner 12	81°F (27°C)



## Specification Data

### THEORETICAL SOLIDS CONTENT:

By volume: 73+/- 2%

### VOLATILE ORGANIC CONTENT:

The following are nominal values:

As supplied: 2.12 lbs./gal (254 grams/liter)

Thinned:

Thinner	oz./gal	lb/gal	gm/liter
12	13	2.61	313

\*May vary slightly with color.

### RECOMMENDED DRY FILM:

2 - 3 mils (50-75 microns)

### THEORETICAL COVERAGE PER GALLON:\*

1171 mil sq. ft. (28.8 sq. m/l @25 microns)

468 sq. ft @2.5 mils (11.5 sq. m/l @62 microns)

\*Mixing and application losses will vary and must be taken into consideration when estimation job requirements.

### STORAGE CONDITIONS:

Store indoors.

Temperature: 40-110°F Humidity: 0-90%

### SHELF LIFE:

12 months when stored indoors at 75°F (24°C)

### COLOR:

Light Gray (C705), Medium Gray (C703), Confederate Gray (9750), and Cashew (9225) Custom colors available on advanced request.

### GLOSS:

High Gloss

## Application Instructions

Listed below are general application and equipment guidelines for the application of this product. Job site Conditions may require modifications to these guidelines to achieve the desired results.

<b>SURFACE PREPARATION:</b>	Apply over recommended coating. Check recoat window of previous coat and if recoat window has been exceeded, prepare surface as recommended. Make certain that the substrate is clean, sound, and free of all dirt, dust, oil, grease, or foreign contaminants. Be absolutely sure surface is completely dry.
<b>MIXING:</b>	Combine Part A and Part B and power mix. Do not whip air into mixture. Allow 3 minutes for sweat-in before applying. Do not use partial kits.
<b>THINNING:</b>	Thinning normally not required, but may be thinned up to (10%) 13 ounces per gallon with Thinner 12 for warm or hot conditions.

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## APPLICATION CONDITIONS

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

POT LIFE: 2 hours at 75°F (24°C) and less at higher temperatures.

	Material	Surfaces	Ambient	Humidity
Normal	60-85°F (16-29°C)	60-85°F (16-29°C)	60-85°F (16-29°C)	40-60%
Min.	50°F (10°C)	40°F (4°C)	40°F (4°C)	10%
Max.	90°F (32°C)	85°F (29°C)	85°F (29°C)	80%

Do not apply when the surface temperature is less than 5°F or 3°C above the dew point. Avoid application when temperature exceeds 85°F and when humidity is above 80%. It is important to minimize air movement during application and cure.

### SPRAY:

This is a high solids coating and film build should be checked frequently (3-4.5 mils wet). Take care to maintain a wet edge and protect against overspray or drift.

Conventional: Pressure pot equipped with dual regulators, 3/8"

I.D. minimum material hose, 0.070" ID. fluid tip and appropriate air cap.

<b>AIRLESS</b>	
Pump	30:1 (min)
GPM Output	3.0 (min)
Material Hose	3/8" I.D. (min)
Tip Size	0.015" - 0.017"
Output psi	2100-2300 psi
Filter size	60 mesh

\* PTFE packings are recommended and are available from the pump manufacturer.

### BRUSH OR ROLLER:

Use a high quality solvent resistant roller with a 1/4" or 3/8" nap woven cover. Use a high quality brush for touch-up or cut-in only. Apply at the recommended application rate of 500 square feet per gallon in a uniform manner. (Do not roll excessively.)

### DRYING TIMES:

These times are based on a 2.5 mil (62 micron) recommended dry film thickness. High film thicknesses and cooler temperatures will lengthen cure times.

Surface Temp	Tack Free	Light Traffic	Final Cure
70°F	12 hours	24 hours	5 days

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# UniFloor 10: Poly Urethane Flooring



## MAINTENANCE:

Most standard floor cleaners, cleaning fluids or detergents will not damage the coating. However, we recommend testing for compatibility before using cleaners. Frequency of cleaning will not harm the surface, but do not use abrasive black floor pads or sandpaper. If you use a floor machine, we recommend using bassine brushes, particularly if using anti-slip aggregate. Mechanical scrubbers will diminish the gloss but not harm the coating.

## CLEAN UP:

Use Thinner 12.

## CAUTION:

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