

PRODUCT PROFILE

GENERIC DESCRIPTION	Aliphatic Polyester Polyurethane
COMMON USAGE	Durable, chemical-resistant clear urethane floor coating used as a finish coat for a variety of floor coating systems. It has excellent resistance to abrasion, wet conditions, corrosive fumes and chemical contact. Typically used over epoxy and urethane flooring systems for increased abrasion and chemical resistance and a low-sheen appearance. Contains a blend of ultraviolet (UV) light absorbers for enhanced gloss retention and resistance to UV degradation.
COLORS	Clear
FINISH	Low semi-gloss

COATING SYSTEM

PRIMERS	Horizontal Concrete: Series 201, 203, 205, 280, 281, 287.
INTERMEDIATE	Series 205, 210, 222, 223, 224, 237, 238, 280, 281, 284, 285, 287, 290 and 291. Note: Scarification using a power sander and 100 grit sandpaper, No. 60 mesh sanding screen or a coarse stripping pad is required if topcoating Series 294 with itself. Note: When applying Series 294 over a broadcast or mortar system, an epoxy grout coat is required. Note: Because epoxies will chalk and discolor when exposed to ultraviolet light, exterior exposures require a pigmented urethane over epoxy coatings before the Series 294 may be applied.

SURFACE PREPARATION

ALL SURFACES	Must be clean, dry and free of oil, grease and other contaminants. Existing coatings require scarification and compatibility testing.
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TECHNICAL DATA

VOLUME SOLIDS	66 ± 2.0% (mixed)
RECOMMENDED DFT	2.0 to 3.0 mils (50 to 75 microns) per coat.
CURING TIME	

Temperature	Min. Recoat	To Service	Chemical Resistance
75°F (24°C)	12 hours	24 hours	7 days

Curing time varies with surface temperature, air movement, humidity and film thickness.

VOLATILE ORGANIC COMPOUNDS	Unthinned: 2.36 lbs/gallon (282 grams/litre) Thinned 20% (No. 39 Thinner): 3.02 lbs/gallon (362 grams/litre)
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HAPS	Unthinned: 0.44 lbs/gal solids Thinned 20% (No. 39 Thinner): 0.42 lbs/gal solids
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THEORETICAL COVERAGE	1,059 mil sq ft/gal (26.0 m ² /L at 25 microns). See APPLICATION for coverage rates. †
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NUMBER OF COMPONENTS	Two: Part A and Part B (2.5 Parts A to 1 Part B by volume)
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	PART A (Partially filled)	PART B (Partially filled)	When Mixed Yield
Large Kit	3 gallon pail	1 gallon can	3 gallons (11.4L)
Small Kit	1 gallon can	1/2 gallon can	1 gallon (3.79L)

NET WEIGHT PER GALLON	9.84 ± 0.25 lbs (4.46 ± .11 kg) (mixed)
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STORAGE TEMPERATURE	Minimum 20°F (-7°C) Maximum 110°F (43°C)
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TEMPERATURE RESISTANCE	(Dry) Continuous 250°F (121°C) Intermittent 275°F (135°C)
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SHelf LIFE	12 months at recommended storage temperature.
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FLASH POINT - SETA	Part A: 112°F (44°C) Part B: >200°F (93°C)
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HEALTH & SAFETY	Paint products contain chemical ingredients which are considered hazardous. Read container label warning and Material Safety Data Sheet for important health and safety information prior to the use of this product. Keep out of the reach of children.
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CLEAR CRU | SERIES 294

APPLICATION

COVERAGE RATES

	Dry Mils (Microns)	Wet Mils (Microns)	Sq Ft/Gal (m ² /Gal)
Suggested	2.5 (65)	4.0 (100)	423 (39.3)
Minimum	2.0 (50)	3.0 (75)	529 (49.2)
Maximum	3.0 (75)	4.5 (115)	353 (32.8)

Allow for overspray and surface irregularities. Film thickness is rounded to the nearest 0.5 mil or 5 microns. Application of coating below minimum or above maximum recommended dry film thicknesses may adversely affect coating performance. †

MIXING

Stir contents of each container, until uniform in consistency. Slowly mix 2.5 parts A component to 1 part B while under agitation. Continue agitation until the two components are thoroughly mixed. Do not use mixed material beyond pot life limits. Part B is moisture-sensitive and will react with atmospheric moisture. Unused material must be kept tightly closed at all times. *Important: Mixing ratio is 2.5 (Part A) to 1 (Part B) by volume.*

THINNING

Thin up to 20% or 25 ounces (475 mL) per gallon with No. 39 Thinner. **Note:** Thinning is required for proper application. **Caution: Do not add thinner if more than thirty (30) minutes have elapsed after mixing.**

POT LIFE

1 hour at 75°F (24°C)

APPLICATION EQUIPMENT

Roller: Use a 1/4" (6.4 mm) high quality and shed-resistant synthetic nap cover. Do not use medium or long nap roller covers.

Brush: Use high quality natural or synthetic bristle brushes.

Spray: Not recommended.

SURFACE TEMPERATURE

Minimum 40°F (4°C) Maximum 135°F (57°C)

The surface should be dry and at least 5°F (3°C) above the dew point. This product is moisture-sensitive until cured. Application of the coating above the maximum recommended dry film thickness may cause bubbles to form in the cured film.

CLEANUP

Flush and clean all equipment immediately after use with the recommended thinner or MEK.

† Values vary with application.

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