

1100SL

100% SOLIDS EPOXY
SELF LEVELING

SIMIRON 1100SL is a 100% solids, zero VOC, blush-resistant, self-leveling epoxy available in slow as well as the standard cure. This basecoat is designed to be used over sealed concrete where high-build and durability are needed.

1100SL is Simiron's workhorse epoxy. It has toughness and good chemical resistance. Combine with Decorative Chips, quartz, or Metallic Additive systems to create an attractive and durable finish or broadcast non-slip aggregates to produce a non-slip surface.



FEATURES & BENEFITS:

- Self Leveling
- Seamless
- Solvent Free
- 100% Solids
- Chemical Resistant
- Durable
- Excellent Adhesion Properties
- Impact Resistant
- User-Friendly Work Time

RECOMMENDED USES:

- Use as a basecoat over 1000HS Primer for all Simiron systems as a build layer.
- Combine with metallics or broadcast into with flake, quartz, or silica sand.



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PRODUCT INFORMATION

PRODUCT NAME	SIZE	COLOR/FINISH	ITEM NUMBER
1100SL 100% Solids Self-Leveling Epoxy, Base	2-Gallon	Clear / Gloss	40004156
1100SL 100% Solids Self-Leveling Epoxy, Standard Activator	1-Gallon	Clear / Gloss	40004155
1100SL Slow Activator	1-Gallon	Clear / Gloss	40008383

3-gallons 1100SL clear can be pigmented with 1-pint Simiron E-Tint in the following colors: Haze Gray, Light Gray, Deck Gray, Sandstone, White, Black, & Tile Red (2 pints White can be used to improve hide).

TECHNICAL DATA

PHYSICAL DATA

Components	2 (Base & Activator)
Color	Clear
Finish	High Gloss
Mix Ratio (by volume)	2 Base: 1 Activator
Curing Mechanism	Chemical reaction between components
Solids by Volume	100%
Solids by Weight	100%
Mixed Viscosity	2800 cP
VOC (EPA Method 24)	0 g/L
Work Time (Standard)	20 - 25 minutes (@73°F, 45% RH) *
Work Time (Slow)	40 - 45 minutes (@73°F, 45% RH) *

*Higher temperatures and humidity will shorten pot-life and working time.

THEORETICAL COVERAGE

Wet Mil (microns)	10 (254) - min.	30 (762) - max.
Coverage sq. ft./gal. (m ² /L)	53 (1.3) - min.	160 (3.9) - max.

CURE TIMES

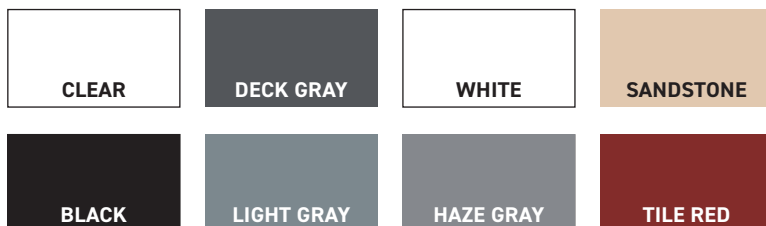
	STANDARD	SLOW
Drying Schedule @ 10 mils	72°F (25°C) 50% RH	72°F (25°C) 50% RH
Tack Free	5.5 hours	12 hours
Light Foot Traffic	10 hours	24 hours
Heavy Traffic	48 hours	4 days
Full Cure	5 days	7 days
Minimum Recoat	8 hours	16 hours
Maximum Recoat	24 hours **	24 hours **

**Apply another coat of epoxy or a topcoat within 24 hours of the initial coat of 1100SL. If the re-coat window is missed, the coating system will need to be sanded.

PHYSICAL PERFORMANCE PROPERTIES

PHYSICAL PROPERTIES	TEST METHOD	RESULTS
Adhesion	ASTM D4541	> 400 psi (100% Concrete Failure)
Compressive Strength	ASTM D695	11,600 psi
Flammability	-	Self-extinguishing over concrete
Flexural Strength	ASTM D790	12,800 psi
Gloss @ 60° Angle	ASTM D523	> 90
Hardness, Shore D (24 hours)	ASTM D2240	75
Taber Abrasion (CS17 Wheel, 1000 g Load, 1000 Cycles)	ASTM D4060	50 mg loss
Tensile Strength	ASTM D638	9,600 psi

SIMIRON E-TINT COLOR SELECTIONS



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PRODUCT DATA SHEET