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
- CDPH Std Method v1.2 compliant (LEED credits available)
- 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
1100SL 100% Solids Self-Leveling Epoxy, Fast Activator	1-Gallon	Clear / Gloss	40009076

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 Mils (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.*

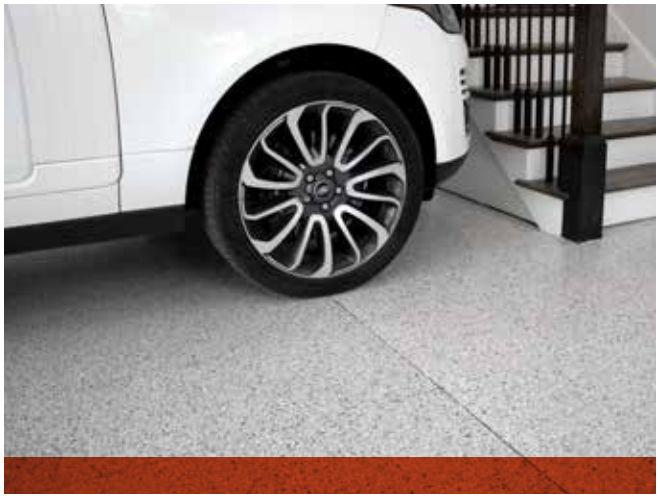
PHYSICAL PERFORMANCE PROPERTIES

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 U-TINT COLOR SELECTIONS

CLEAR | DECK GRAY | WHITE | SANDSTONE

BLACK | LIGHT GRAY | HAZE GRAY | TILE RED



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SCAN FOR MORE INFO