POLYUREA

RAPID-CURE BASECOAT



SIMIRON POLYUREA is a two-component, rapid-cure basecoat with excellent adhesion to concrete. The product is available in three different speeds by using Fast, Medium, and Slow Polyurea Basecoats. This material was designed to give installers a much faster resin option into which Decorative Chip must be broadcast to rejection and sealed with Polyaspartic HS topcoat. Decorative Chip is available in a variety of blends. The resulting system is versatile and easy to maintain.

FEATURES & BENEFITS:

- Rapid cure
- High solids
- Low odor
- Excellent adhesion
- Hides imperfections
- Customizable
- Easy to maintain
- Texture improves traction
- CDPH Std Method v1.2 compliant (LEED credits available)

RECOMMENDED USES:

- Apply only as basecoat to receive a full broadcast of Decorative Chip and seal with Polyaspartic HS topcoat in the areas such as:
- Residential Garage
- Lobby/Waiting
- Office, Hallways & Stairwells
- Cafeterias
- Bar & Dinning
- Restrooms



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PRODUCT INFORMATION

PRODUCT NAME	SIZE	COLOR/FINISH	ITEM NUMBER
Polyurea Slow Basecoat	1.5-Gallon Kit	Haze Gray / Gloss	40009014
Polyurea Slow Basecoat	1.5-Gallon Kit	Sandstone / Gloss	40009052
Polyurea Medium Basecoat	1.5-Gallon Kit	Haze Gray / Gloss	40009809
Polyurea Medium Basecoat	1.5-Gallon Kit	Sandstone / Gloss	40009816
Polyurea Fast Basecoat	1.5-Gallon Kit	Haze Gray / Gloss	40009083
Polyurea Fast Basecoat	1.5-Gallon Kit	Sandstone / Gloss	40009090
Polyurea Slow Basecoat	5-Gallon	Haze Gray /Gloss	40008994
Polyurea Slow Basecoat	5-Gallon	Sandstone / Gloss	40009069
Polyurea Medium Basecoat	5-Gallon	Haze Gray /Gloss	40009823
Polyurea Medium Basecoat	5-Gallon	Sandstone / Gloss	40009830
Polyurea Fast Basecoat	5-Gallon	Haze Gray /Gloss	40009106
Polyurea Fast Basecoat	5-Gallon	Sandstone / Gloss	40009113
Polyurea Slow Basecoat Neutral	5-Gallon	Clear	40010904
Polyurea Medium Basecoat Neutral	5-Gallon	Clear	40010911
Polyurea Fast Basecoat Neutral	5-Gallon	Clear	40010928
Polyurea Activator	5-Gallon		40009007

TECHNICAL DATA

PHYSICAL DATA

Components	2 (Base & Activator)
Color	Haze Gray and Sandstone
Finish	Receives full chip broadcast
Mix Ratio (by volume)	2 Base: 1 Activator
Curing Mechanism	Chemical reaction between components
Solids by Volume/Weight	94%
Mixed Viscosity	600 cP
VOC (EPA Method 24)	< 50 g/L

CURE TIMES

	72F, 20% R.H.		72F, 80% R.H.			
PRODUCTS	WORKING TIME	SCRAPE TIME	WORKING TIME	SCRAPE TIME	FOOT TRAFFIC	HEAVY TRAFFIC
Simiron Polyurea XTRA Slow	60 min	3.5 hours	30 min	2 hours	4-4.5 hours	60 hours
Simiron Polyurea Slow	50 min	3 hours	25 min	90 min	3 - 3.5 hours	48 hours
Simiron Polyurea Medium	25 min	80 min	17 min	48 min	1.5 - 2 hours	48 hours
Simiron Polyurea Fast	15 min	40 min	11 min	29 min	1 - 1.5 hours	48 hours

Higher temperatures will shorten pot-life and working time.

THEORETICAL COVERAGE

Wet Mils (microns)	6 (152) – min.	8 (203) – max.
Coverage sq. ft./gal. (m^2/L)	200 (4.9) – min.	267 (6.6) – max.

PHYSICAL PERFORMANCE PROPERTIES

PHYSICAL PROPERTIES	TEST METHOD	RESULTS
Adhesion	ASTM D7234	> 400 psi (100% Concrete Failure)
Elongation	ASTM D638	65%
Flammability	–	Self-extinguishing over concrete
Flexibility 1/8" Mandrel	ASTM D522	Passes; No Cracking
Hardness, Shore A [3 days, 1 week]	ASTM D2240	76, 80
Hardness, Shore D [3 days, 1 week]	ASTM D2240	42, 55
Tensile Strength	ASTM D638	1,650 psi





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SCAN FOR MORE INFO