POLYASPARTIC HS

HIGH-PERFORMANCE FLOOR COATING

SIMIRON POLYASPARTIC HS is a two-component, high performance, aliphatic polyaspartic floor coating designed for application up to 16 mils thick in a single pass over full broadcast systems. It provides superior protection through its excellent adhesion, durability, and resistance to stains, chemicals, and damaging UV rays. It can be be used in both interior and exterior applications. XTRA SLOW, SLOW, MEDIUM, and FAST CURE options allow more flexibility to adapt to different temperature and humidity needs in various markets.



Polyaspartic HS XTRA Slow Cure has extended working time for extremely hot and/or humid environments.

Polyaspartic HS Slow Cure has longer working time. It is an excellent choice for applicators with less experience or installations that may require more work time.

Polyaspartic HS Fast Cure is a polyaspartic with reduced work and cure times for experienced installers with large crews and jobs that need to be turned quickly.

FEATURES & BENEFITS:

- Easy-to-Clean High Gloss Finish
- Resists Abrasion and Scratches
- Superior Chemical Resistance
- UV Stable
- User-Friendly Polyaspartic, 1:1 Mix Ratio
- Fast Return-to-Service
- High Solids, Low Odor
- CDPH Std Method v1.2 compliant (LEED credits available)

RECOMMENDED USES:

- Restaurants
- Bars & Cafeterias
- Sports Arenas/ Stadiums
- Corridors & Lobbies
- Kennels & Labs
- Locker Rooms / Restrooms
- Garages & Auto Service Areas
- Offices & General Rooms
- Exterior or Areas Exposed to UV
- Topcoat for Floors Broadcast to Refusal



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PRODUCT INFORMATION

PRODUCT NAME	SIZE	COLOR/FINISH	ITEM #
Polyaspartic HS XTRA Slow Cure Kit	2-Gallon Kit	Clear / Gloss	40010980
Polyaspartic HS Slow Cure	2-Gallon Kit	Clear / Gloss	40008919
Polyaspartic HS Medium Cure	2-Gallon Kit	Clear / Gloss	40009038
Polyaspartic HS Fast Cure	2-Gallon Kit	Clear / Gloss	40008925
Polyaspartic HS Activator	5-Gallon	Clear / Gloss	40008956
Polyaspartic HS XTRA Slow Cure Base	5-Gallon	Clear	40010997
Polyaspartic HS Slow Cure Base	5-Gallon	Clear / Gloss	40008932
Polyaspartic HS Medium Cure Base	5-Gallon	Clear / Gloss	40009045
Polyaspartic HS Fast Cure Base	5-Gallon	Clear / Gloss	40008949



TECHNICAL DATA

PHYSICAL DATA

Components	2 (Base & Activator)
Color	Clear
Finish	High Gloss
Mix Ratio (by volume)	1: 1
Curing Mechanism	Chemical reaction between components
Solids by Volume	90 – 93%
Solids by Weight	90 – 93%
Mixed Viscosity	400 – 500 cP
VOC (EPA Method 24)	< 50 g/L



THEORETICAL COVERAGE

Wet Mils (microns)	10 (250) – min.	16 (406.4) – max.
Coverage sq. ft./gal. (m^2/L)	160 (4.1) – min.	100 (2.05) – max.

TECHNICAL DATA - CURE TIMES

		72F, 20% R.H.		72F, 80% R.H.			
PRODUCT	MIXED VISCOSITY (cP)	WORKING TIME	TACK-FREE TIME	WORKING TIME	TACK-FREE TIME	FOOT TRAFFIC	HEAVY TRAFFIC
Simiron Polyaspartic XTR Slow	300	2 hours	10.5 hours	70 min	6.5 hours	30 - 34 hours	3 days
Simiron Polyaspartic Slow	300	70 min	6.5 hours	28 min	3.75 hours	17 - 20 hours	24 hours
Simiron Polyaspartic Medium	300	32 min	3.5 hours	17 min	90 min	10 - 12 hours	24 hours
Simiron Polyaspartic Fast	300	25 min	110 min	14 min	40 min	4 - 6 hours	24 hours

*Higher temperatures and humidity will shorten pot-life and working time. You can dip & roll to apply the material to almost double the work time. If applying a second coat, it must be applied as soon as the first is tack free.*These times assume a temperature of at least 72F and a humidity of at least 50%. If either condition is lower during cure, expect traffic times to be extended.*

PHYSICAL PERFORMANCE PROPERTIES

PHYSICAL PROPERTIES	TEST METHOD	RESULTS
Coefficient of Friction (Wet SCOF)	ANSI / NFSI B101.1	.63 (14 mils over full flake)
Elongation	ASTM D2370	5 – 10%
Flammability	–	Self-extinguishing over concrete
Flexibility 1/8" Mandrel	ASTM D522	Passes; No Cracking
Hardness, Shore D (24 hours, 5 days)	ASTM D2240	70, 86
Taber Abrasion (CS-17 Wheel, 1000 g Load, 1000 Cycles)	ASTM D2240	30 mg loss
Tensile Strength	ASTM D2370	4,000 psi
Gloss @ 60° Angle	ASTM D523	92 – 95
UV Resistance (Gloss after 1000 hours, in QUV)	ASTM G154	87 – 89

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SCAN FOR MORE INFO