POLYASPARTIC HS

HIGH-PERFORMANCE FLOOR COATING

SIMIRON POLYASPARTIC HS is a two-component, high performance, aliphatic polyaspartic floor coating designed for application over full broadcast systems. It is available in **SLOW, MEDIUM**, and **FAST** speeds to cover a wide range of application temperature and cure time needs. It provides superior protection through its excellent adhesion, durability, and resistance to stains, chemicals, and damaging UV rays.

POLYASPARTIC HS can be applied up to 16 mils thick in a single pass to seal floors broadcast with **Decorative Chip**, decorative quartz and silica sand, which greatly reduces return to service time over other coating types. It dries to a hard, non-yellowing finish with superior chemical resistance that can be used in both indoor and outdoor applications.

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

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 NUMBER
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 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	5 days
Simiron Polyaspartic Slow	300	70 min	6.5 hours	28 min	3.75 hours	17 - 20 hours	72 hours
Simiron Polyaspartic Medium	300	32 min	3.5 hours	17 min	90 min	10 - 12 hours	48 hours
Simiron Polyaspartic Fast	300	25 min	110 min	14 min	40 min	4 - 6 hours	48 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.

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

SIMIRON™

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SCAN FOR MORE INFO