

KINETIC POLYASPARTIC™

TECHNICAL DATA SHEET



Kinetic™ is a 72% solids, fast-curing polyaspartic coating engineered for high-traffic environments and time-sensitive installations. Available in clear 2-gallon and 10-gallon kits, Kinetic™ features an accelerated cure schedule and excellent performance in cold-climate conditions. This UV-stable coating can be used as a primer, intermediate, or topcoat across a variety of seamless resinous flooring systems. It may also be pigmented with Resinwerks Universal Pigments to achieve a broad spectrum of color options.

USES:

- » Heavy traffic industrial floors
- » Fast turn around
- » Primer, Mid and Topcoat
- » Urethane Mortar Topcoats
- » USDA / CFSAN code compliant

ADVANTAGES:

- » VOC Compliant
- » 15-20 min working time
- » 1-2 hour walk-on time
- » High abrasion resistance
- » UV Stable
- » Cold-temp cure

PACKAGING & SHELF-LIFE

Kinetic™ Polyaspartic is available in the following kits:

- » 2-gallon kits (1-gal part A and 1-gal part B)
- » 10-gallon kits (5-gal part A and 5-gal part B)

Shelf-Life::

- » 24 months factory sealed and stored at room temperature.

ANCILLARY PRODUCTS:

- » Resinwerks Universal Pigments
- » For pigmented coatings, post-add Resinwerks Universal pigments @ 10-12 oz per gal (1 QT for every 3-gallons)

SUGGESTED APPLICATION:

- » Concrete: Apply to properly profiled concrete. Please see below for detailed coverage ratios:

MATERIAL COVERAGE		
WET FILM THICKNESS	DRY FILM THICKNESS	APPROXIMATE COVERAGE
4.2-mils wft	3-mils dft	384 ft ² / gallon
8.3-mils wft	6-mils dft	192 ft ² / gallon
11.1-mils wft	8-mils dft	144 ft ² / gallon

GENERAL PRODUCT INFORMATION

Colors:	Clear,
Solids Volume:	72%
V.O.C.:	237 g/l
Pot-life:	25-Minutes @ 72° F and 50% RH
Mix-Ratio:	1-Part A to 1-Part B by volume.
Cure Schedule:	72° F @ 50% R.H.*
To touch:	1-2-Hours
To re-coat:	2-Hours Minimum 24-Hours Maximum
Foot Traffic:	2-4-Hours
Heavy Traffic:	12-Hours
Clean-up:	Acetone / MEK
Application Temp:	0°F(-17.8°C) - 90°F(32.2°C)

**Cure schedules will be reduced in environments experiencing elevated humidity and temperatures*

GENERAL PRODUCT PERFORMANCE

TEST TYPE	TEST METHOD	RESULT
Hardness	ASTM D-2240 Shore D	85
Taber Abrasion	ASTM-D-4060	30 mg loss
Tensile Strength	ASTM C-307	3,200 psi
Flammability	ASTM D 635	Self extinguishing
Impact Resistance	ASTM D 2794	160 lb
Flexibility 1/4" cylindrical mandrel	ASTMD 522	Pass
Adhesion	ASTMD-4541	500+ PSI concrete fracture
Coefficient of Friction	ASTM D-2047	> 0.6 / pass



SURFACE PREPARATION

Ensure substrate to be coated is clean, dry, and in sound condition. All laitance, curing compounds, concrete hardeners, and other surface contaminants must be removed. Prepare concrete in accordance with ASTM D 4259-83. Mechanical shot blasting or grinding is recommended to achieve a surface profile of ICRI CSP 2-3. Surface to be coated must be completely porous and free of excessive dust & contaminants.

MOISTURE IN CONCRETE

Concrete slabs should be tested prior to application for elevated moisture vapor emission levels. Resinwerks recommends ASTM F2170-19 standard for determining relative humidity in concrete slabs using RH probes. For slabs exhibiting elevated moisture levels in excess of 75% RH, Resinwerks™ Vapor Barrier Epoxy should be substituted as a primer. For more information, please contact your Resinwerks technical representative.

DE-GREASING OF CONTAMINATED SUBSTRATES

For concrete substrates containing oil, animal fats, or other carbon based contaminants, slabs should be degreased appropriately using an enzymatic based concrete degreasing agent. Multiple applications may be required depending on the level of contamination. For more information, please contact your Resinwerks technical representative. .

TREATMENT OF JOINTS & CRACKS

Prior to installation of any Resinwerks primer, all joints, cracks and other substrate irregularities must be addressed. For more information on specific joint treatment procedures, please contact your Resinwerks technical services representative.

MIXING INSTRUCTIONS:

- » Prior to mixing, all products should be properly acclimated to the local ambient room temperature of 30°F(-1.1°C) - 90°F(32.2°C)
- » Thoroughly agitate both part A and Part B separately prior to mixing. Mix 1-part A to 1-Part B by volume for two minutes using a slow speed jiffy mixer.
- » For pigmented coatings, post-add Resinwerks Urethane at a rate of 10-12 oz per mixed gallon. 1-Qt (2 pints) for every 3-gallons.

APPLICATION INSTRUCTIONS

- » Immediately following mixing, pour onto substrate in a uniform ribbon and spread evenly with a squeegee or pan roll with 1/4" - 3/8 nap roller depending on desired thickness. Depending on ambient temperature and humidity, material will be dry to the touch and ready for subsequent coats within approximately 1-2-hours following application. Contact Resinwerks directly for

additional application specifics.

LIMITATIONS

- » Do not apply over concrete experiencing ASR
- » Do not apply over Acrylics or MMA Coatings
- » Do not apply over existing coatings / sealers that have not been properly abraded and cleaned.
- » Do not apply to new slabs < 28-days old
- » Do not apply over areas wiped with denatured alcohols
- » Do not apply to concrete < 3500 PSI compression strength
- » Do not apply product when ambient or room temperature is below 0°F (-17.8°C) or over 90°F(32.2°C) or if the relative ambient humidity is above 85%.
- » This product is not recommended for immersion service.
- » DEW POINT: Do not apply when dew point is within 5°F of the ambient temperature.

MAINTENANCE

The long-term performance, appearance, and life expectancy of wear surface products are dependent on an adequate routine maintenance program designed specifically for the installed wear surface. Resinous floor coating systems are nonporous, causing dirt and contaminants to remain on the surface. Recommended maintenance programs consist of frequent and thorough cleaning utilizing a neutral PH cleaner. The frequency of washing will vary depending on floor usage type, traffic and age. Please contact your local Resinwerks technical representative for more information.

NOTES

Thoroughly read all Material Safety Data Sheets prior to use and maintain copies on job-site at all times.

Mock-ups and field test areas are strongly recommended in order to validate performance and appearance related characteristics (including but not limited to color, inherent surface variations, wear, anti dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the coating system.

Variability in job site conditions (including but not limited to surface preparation, sunlight, humidity, dew point, temperature, etc.) during application of Urethane products may lead to fish-eyes, blistering, pinholes, wrinkling, or out-gassing of air in the concrete and are not product defects.

TECHNICAL ASSISTANCE

PHONE: 720-484-5160

WEB: www.resinwerks.com