

EPISEAL 600 EP™

TECHNICAL DATA SHEET



RESINWERKS EPISEAL 600™ IS A SATIN FINISH TOPCOAT FOR DECORATIVE COATING APPLICATIONS. It represents the very latest in next-generation water-based technology with excellent long-term performance and 0-VOCs. An ideal top-coat for decorative resinous flooring applications, EpiSeal 600 leaves a pristine film with a remarkably consistent satin finish. It performs well in heavy foot-traffic interior settings and is ideally suited for applications requiring minimal odor.

USES:

- › Topcoat for Decorative Resinous Flooring
- › Satin Finish systems
- › Large square footage

ADVANTAGES:

- › Long working time
- › Easy to use 4:1 mix ratio
- › Good weathering
- › Excellent Durability

MIX RATIO:

Pigmented:

- › 4 Parts A to 1 Parts B by Volume

PACKAGING & SHELF-LIFE

WBE 600 EP™ is available in the following Units:

- › 1.25-gallon Kit: One gallon part A in 1-gal. pail, 1-Qt (32 oz) Part B.

SUGGESTED APPLICATION:

Suitable Substrate(s):

- › Concrete: Apply at 2-3 mil thickness as a topcoat over primer of other resinous flooring system.
- › See page 2 for detailed application instructions.

ANCILLARY PRODUCTS:

May be used in conjunction with other Resinwerks resinous coating products as a primer, mid or topcoat.

MATERIAL COVERAGE	
THICKNESS	APPROXIMATE COVERAGE
2.0-3.0 mils	300 ft ² / gallon

GENERAL PRODUCT INFORMATION

Colors:	Clear Stain Finish
Solids Volume:	43%
V.O.C.:	0 lbs per gallon catalyzed
Pot-life:	25 mins @ 70° F
Cure Schedule:	70° F @ 50% R.H.
To touch:	6- Hours
To re-coat:	8-10 Hours Minimum 18-24 Hours Maximum
Foot Traffic:	18-Hours
Heavy Traffic:	72-Hours
Reducer:	Not recommended
Application Temp:	60°F(15.6°C) - 90°F(32.2°C)
Environment:	For Interior Use Only
Shelf Life:	12-months factory sealed

GENERAL PRODUCT PERFORMANCE

TEST TYPE	TEST METHOD	RESULT
Chemical Resistance	25 MEK Double Rubs	> 70% Gloss Retention
Density		8.99 lb/gal
Abrasion Resistance	ASTMD-4060	40 mg loss
Flexibility 1/4" cylindrical mandrel	ASTMD 522	Pass
Impact Resistance	ASTMD 2794	105 lb. direct
Coefficient of Friction	ASTMD-2047	> 0.6 / pass

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SKU: 145-0600-125

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 grinding or blasting is recommended to achieve an approximate 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 de-greased appropriately using an enzymatic based concrete de-greasing 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 60°F(15.6°C) - 90°F(32.2°C)..
- » Agitate both part A and Part B separately prior to mixing. Mix 4-parts A to 1-Part B by volume for two minutes using a slow speed jiffy mixer.

APPLICATION INSTRUCTIONS

- » Immediately following mixing, apply coating as uniformly as possible with a short nap roller. Avoid excessive cross rolling and back-rolling as that will lead to bubbling. Do not allow the product to puddle. Puddling of excess material will yellow and possibly not cure. Depending on ambient environmental and slab temperatures, material will be dry to the touch and ready for subsequent coats within approximately 6-8 hours

following application. Contact Resinwerks directly for additional application specifics and recommendations.

LIMITATIONS

- » Do Not Freeze
- » As with all epoxies, product will amber over time
- » Do not apply over concrete experiencing ASR
- » Do not apply over existing Coatings
- » Do not apply to new slabs < 28-days old
- » Do not apply to concrete < 3500 PSI compression strength
- » Do not apply product when ambient or room temperature is below 60°F or over 90°F 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 Epoxy products may lead to fish-eyes, blistering, pinholes, wrinkling, or out-gassing of air in the concrete and are not product defects.

TECHNICAL ASSISTANCE

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