



ES6375 Epoxy Sealer/Primer

DESCRIPTION

Wyn-Stik ES6375 is a light amber, two-component, epoxy sealer/primer used to enhance the adhesion and performance of US6350 and US6360 urethane/urea coatings on difficult substrates. ES6375 is a 100% solids material with a low mixed viscosity for easy application by brush or spray. It is used to seal concrete surfaces that cannot be dried sufficiently for good adhesion by the urethane coating, and is a primer for properly prepared steel surfaces.

FEATURES and BENEFITS

- Solvent Free, Shrink Free, Epoxy Sealer / Primer
 - Easy to use 2 to 1 Volume Mix Ratio
 - 20 Minute Pot Life for Brush or Spray Application
 - Good Metal Adhesion (> 1,000 psi Tensile Lap Shear with Aluminum or Steel)
 - Excellent Resistance to Water, Chemicals, and Sewer Gases

PRODUCT SPECIFICATIONS

	ES6375A	ES6375 B	ASTM Method
Color	Clear	Amber	Visual
Viscosity, centipoise	5,000 - 6,000 cps	450 cps	D2392
Specific Gravity, gms./cc	1.14	1.01	D1475
Mix Ratio	100 : 43 By Weight, 2 to 1 By Volume		PTM&W
Pot Life, 4 fl. Oz. Mass @ 77°F	20 minutes		D2471

DIRECTIONS FOR USE

PREPARATION: All surfaces must be free of dirt, oil, grease, and have a firm substrate. Refer to “WYN-STIK Surface Preparation Guidelines” bulletin for specific recommendations for various surfaces.

MIXING: Mix A and B components at the proper ratio until uniform in color and consistency. Mix for 1 to 2 minutes, scraping the sides and bottom of container to avoid leaving unmixed material that will cause soft spots in the cured product. Only mix as much ES6375 as can be applied within 15 minutes. Mixed material in volume will get very hot, and should be applied quickly to avoid gelling in the mixing container, or spray gun.

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APPLICATION and CURING: ES6375 is can be applied by brush or paint roller, or by spray gun for larger areas. Whenever possible, use disposable tools, otherwise wipe as much as possible off, and immediately clean the rest off with a small amount of solvent such as acetone or methylene chloride. Follow all your supplier's precautions and recommendations for use of the solvent. Do not thin mix with solvent, as the solvent can be trapped in the coating, and will detract from performance. It is best to apply a thin, uniform coating to the substrate, and reapply immediately to "dry spots" when material soaks into a very porous substrate. Apply the US6350 or US6360 coating just after the ES6375 has "tacked off" and before the ES6375 has fully hardened. Usually only 1 -2 hours are required for the ES6375 to become firm enough to overcoat with urethane. ES6375 will reach 90% of ultimate properties in 2 or 3 days at 77°F. Full cure is achieved in 7 days at room temperature.

TYPICAL MECHANICAL PROPERTIES

	ES6375 A/B	ASTM Method
Mix Ratio	100 : 43 By Weight, 2 to 1 By Volume	PTM&W
Pot Life, @ 77°F	20 minutes	D2471
Tack Free Time, @ 77°F	60 - 90 minutes	PTM&W
Cure Time, @ 77°F	3 - 7 days	
Mixed Viscosity, @ 77°F, centipoise	1,500 cps	D2393
Cured Hardness, Shore D	88 Shore D	D2240
Specific Gravity, grams, cc	1.10	D1475
Tensile Strength, psi	6,500 - 7,000 psi	D638
Elongation at Break, %	5 - 10 %	D638
Water Absorption, 24 hrs. @ 77°F	< 0.10 %	D570

STORAGE

To avoid contamination, do not open until ready to use, and reseal containers after each use. For the best balance of viscosity and pot life store and use material at 70°F to 90°F.

CAUTION

ES6375B contains modified amines. Do not get in eyes, on skin, or clothing. Avoid liquid, or vapor. Do not use ES6375 A/B until Material Safety Data Sheets have been read and understood.

PACKAGING WEIGHTS

	Gallon Kit	Pail Kit	Drum Kit
ES6375 A	9 lb.	2 @ 42 lb. ea.	500 lb.
ES6375 B	2 @ 2 lb. ea.	36 lb.	2 @ 36 lb. ea.
Kit	13 lb.	120 lb.	716 lb.

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