

StoneLok™ "E"

WATER-BORNE EPOXY RESIN

for Demanding Concrete, Cement & Other Installations

The RJSC StoneLok "E" System is based on advanced chemical compositions to achieve exceptional interfacial adhesion on cementitious substrates. The system is comprised of various RJSC water-borne epoxies and urethanes with StoneLok "E" as the first coat and/or finish coat(s). Other products in the system can include G-Series™ primer, 200-Series™ primer or StoneLok™ "E3" water-borne epoxies and StoneLok "2K" or StoneLok "MLT Plus" waterborne polyurethanes. All products are available with or without RJSC Colloidal Dyes. The StoneLok "E" system has been developed for concrete, engineered cement and gypsum-based installations where high wear patterns and/or chemical exposure are present; and some "visual build" is the objective. Inherent epoxy problems of progressive interfacial brittleness on recently installed and/or damp concrete are eliminated and the "E" system is unique in its price class in achieving simultaneous hardness, tensile strength and chemical resistance. Available in GLOSS or LOW GLOSS.

Unique Performance Benefits

Exceptional Interfacial Adhesion. Traditional direct-epoxy systems are susceptible to adhesion problems on concrete because of water-mediated alkali at the interfacial layer. The StoneLok "E" system uses its exceptional bonding and water-resistant properties (or the properties of an RJSC primer such as 200-Series or G-Series) to provide outstanding cement adhesion of the epoxy interface. The result is interfacial flexibility and improved long-term stability of an extremely resistant epoxy coating at affordable cost and ease of application.

Color Without Compromise. Adding pigmentation to epoxies creates "spaces" in the resin matrix that can interfere with adhesion and strength. In the StoneLok "E" system, color is delivered by adding RJSC Colloidal Dyes to "E", 200-Series or G-Series. Because of the chemical composition of these primers plus the chemistry of the RJSC dyes, there is no performance compromise.

Tensile Strength	typically 6,500 psi	Chemical & Solvent Resistance	
Elongation	typically 10% at cure		30 minute spot tests
Tabor Abrader	1000g. CS17, 1000 cycles	xylene	no effect
	typically 38mg loss	toluene	slt. Softening, recovers
Solids Content	35%	mek	no effect
V.O.C. Content	247 g/L catalyzed	butoxy ethanol; 409	no effect
Dry Rate	walkable: 8hrs	isopropyl alcohol	no effect
	light service: 12 - 24 hrs.	1 N. NaOH	no effect
	standard service: 48 hrs. minimum	30% ammonia	no effect
	full cure & protection: 3 - 4 days	clorox	no effect
Coverage	~350 sq.ft./gallon recommended	1 N. HCL	temp. whtning, recovers
	[~ 500 sq.ft./gal. 2 nd coat, if used]	glacial acetic acid	no effect
DFT	~1.8mls[3.1 mls if 2 coats]	engine oil	no effect
		brake fluid	no effect

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