

# STONELOK™ "E3"

## Water-borne Epoxy Resin

for Concrete, Engineered Cement, Gypsum & Wood Installations

### Cutting-Edge Epoxy Technology

STONELOK™ "E3" IS THE ONLY "3<sup>RD</sup> GENERATION WATERBORNE EPOXY" ON THE CURRENT MARKET. Its innovative technology in resins and catalyst chemistry provides dramatic improvement over even the most recent epoxy resin modifications used by other manufacturers.

The "E3" system is a *high-performance project time-saver*. As a waterborne system, the **SUBSTRATE NEED NOT BE TOTALLY DRY**. "E3" can typically be applied 2 days after a standard concrete pour. The **RELATIVELY SHORT PRINT-FREE** and **CURE TIMES** make access or second/top coatings fast and efficient. The **51% SOLIDS** and **BUILD RATE** are ideal for high-wear installations and acid-etched, shot-blast and/or profiled substrates. **WATER-SUBMERSIBLE**, "E3" can be used underwater and in other conditions of regular high water exposure.

#### EXCEPTIONAL PERFORMANCE AS A CLEAR COAT

StoneLok "E3" is characterized by **SUPERB ADHESION** to a wide range of substrates and RJSC primers; high solids onlay + DFT; **OUTSTANDING ABRASION-RESISTANCE**; and rapid hardness/cure. With **EXCELLENT UV RESISTANCE** as compared to other epoxies, this coating **HOLDS ITS CLARITY** for extended time and **CAN BE USED OUTDOORS**. The Newest Generation Technology" provides a surface that is far more **RESISTANT TO STAINING & GREASE SPOTS** than conventional epoxies.

#### COLOR WITHOUT COMPROMISE

Adding pigmentation to standard epoxies creates "spaces" in the resin matrix that can interfere with adhesion and strength. In the StoneLok "E3" system, color is delivered by use of RJSC E3-Type™ Colloidal Dyes. Because of the chemistry of these RJSC dyes, there is no performance compromise.

<b>Tensile Strength</b>	typically 7,000 psi	<b>Chemical &amp; Solvent Resistance</b>	
<b>Elongation</b>	typically 90% at cure	30 minute spot tests	
<b>Tabor Abrader</b>	1000g. CS17, 1000 cycles	xylene	no effect
	typically 40 mg loss	toluene	slt. Softening, recovers
<b>Solids Content</b>	51%	mek	no effect
<b>V.O.C. Content</b>	97.5 g/L catalyzed	butoxy ethanol; 409	no effect
<b>Dry Rate</b>	walkable: 6 hrs typical	isopropyl alcohol	no effect
	light service: 12 hrs. typical	1 N. NaOH	no effect
	standard service: 24 - 48 hrs.	30% ammonia	no effect
	full cure & protection: 3 days	clorox	no effect
<b>Coverage</b>	~250 - 400 sq.ft./gal/coat	1 N. HCL	temp. whtning, recovers
	[~ 4 - 7mils WFT/coat]	glacial acetic acid	no effect
<b>DFT</b>	~ 3.5mils[~8mils if 2 coats]	engine oil	no effect
		brake fluid	no effect

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**SUBJECT TO RJSC SDS', LIMITED WARRANTY and RESTOCK POLICY**

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