StoneLok™ "E3"

Water-borne Epoxy Resin
for Concrete, Engineered Cement, Gypsum & Wood Installations

Cutting-Edge Epoxy Technology

StoneLok™ "E3" is the only "3rd Generation Waterborne Epoxy" on the current market. This new 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.*** 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.

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 exposure conditions. The "3rd Generation Technology" provides a surface that is far more **resistant to staining and 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.

Tensile Strength	typically 7,000 psi
Elongation	typically 90% at cure
Tabor Abrader	1000g. CS17, 1000 cycles typically 40 mg loss
Solids Content	51%
V.O.C. Content	91 g/L catalyzed
Dry Rate	walkable: 6 hrs typical light service: 12 hrs. typical standard service: 24 - 48 hrs. full cure & protection: 3 days
Coverage	~250 - 400 sq.ft./gal/coat [~ 4 - 7 mils WFT/coat]
DFT	~ 3.5 mils [~8 mils if 2 coats]

Chemical & Solvent Resistance

30 minute spot tests

xylene	no effect
toluene	slt. Softening, recovers
mek	no effect
butoxy ethanol; 409	no effect
isopropyl alcohol	no effect
1 N. NaOH	no effect
30% ammonia	no effect
clorox	no effect
1 N. HCL	temp. whtning, recovers
glacial acetic acid	no effect
engine oil	no effect
brake fluid	no effect

For more information on application, other technical matters, primers and colorants

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