ROCK TRED
POLYMER COATING SOLUTIONS
Defining Excellence Since 1939

PHYSICAL TESTING DATA

ECO-POXI

Product Description:

ECO-POXI is a cost effective, 2-component, 100% solids amber/clear epoxy body and basecoat material. **ECO-POXI** is a VOC compliant material that meets all of the USDA/FDA guidelines for use in federally inspected facilities.

ECO-POXI is ideal when the durability of a 100% solids epoxy is required, but UV and chemical resistance are not necessary. Its low viscosity makes **ECO-POXI** an excellent "seed" coat for broadcast systems, an excellent grout coating over troweled mortar systems and an excellent binder resin when combined with fine aggregates to create self-leveling slurry patching mixes. *ECO-POXI is not recommended as a finish coat as it has low color stability and low chemical resistance.*

Physical Testing Information:

Compressive Strength:	12,400 psi after 7 days (ASTM C-579)
Tensile Strength:	2,200 psi (ASTM C-307)
Flexural Strength:	4,800 psi (ASTM-C-580)
Flexural Modulus of Elasticity:	9.7 x 105 psi (ASTM D-790)
Bond Strength:	>400 psi (l00% concrete failure) (ACE COMMITTEE #503/PP1139-1141)
Indentation:	No indentation (MIL-D-3134F)
Abrasion Resistance:	0.l g max. weight loss (ASTM D-4060, Taber Abrader) CS-17 wheel, 1,000 gm load, 1,000 cycles)
Flammability:	Self-extinguishing.: Extent of burning 0.25 inches max. (ASTM D-635)
Thermal Coefficient of Linear Expansion:	3.5 x l0-5 C (ASTM E-831)
Water Absorption:	0.1% (ASTM C-413)
Heat Resistance Limitation:	For continuous exposure: 140º F/60º C For intermittent spills: 200º F/93º C
Volume mix ratio:	2 to 1 (Resin to Hardener)
Viscosity (mixed):	300 - 500 CPS Typical
Solids Content (%):	100 % (ASTM D-2697)
VOC:	0 g/l (EPA method 24)
Application Temps:	60^0 – 85^0 F (10^0 – 29^0 C)
Hardness (ASTM D-2240)	60-70 (Shore D)
Gel Time	12-20 minutes @ 75^0 F
Dry to Touch (recoat with compatible product)	2.5 - 4 hours @ 75^0 F
Through-Cure	4-8 hours @ 75^0 F
Open for Light Traffic	24 hours @ 75^0 F

Please review ROCK-TRED's Product Data Sheet and SDS for further information on this product. All physical testing information is from performance testing run on neat coats of the tested product unless otherwise indicated.