ROCK TRED
POLYMER COATING SOLUTIONS
Defining Excellence Since 1939

PHYSICAL TESTING DATA

NOVO-POXI

Product Description:

NOVO-POXI is a high-performance, 100% solids, novolac epoxy that can be used as a body/basecoat or as a topcoat. Reformulated in 2013 for easier application and product flow **NOVO-POXI** has not sacrificed any performance for better functionality. **NOVO-POXI** is VOC compliant and meets all of the USDA/FDA guidelines for use in federally inspected facilities.

NOVO-POXI is installed as a solid color high density specialty coating with broad spectrum chemical resistance and resistance to elevated temperatures. **NOVO-POXI** will resist splash/spill exposure and immersion exposure to many industrial chemicals with little effect. **NOVO-POXI** can be used in areas where temperatures are consistently above 180° F and/or where intermittent temperatures reach 200° F.

Physical Testing Information:

Compressive Strength:	11,800 psi (ASTM D-695-77)
Compressive Modulus:	1.95 x 105 psi (ASTM D-695-77)
Tensile Strength:	7,100 psi (ASTM D638-77a)
Tensile Modulus:	3.6 x l04 psi (ASTM D-638-77a)
Tensile Elongation:	10.7% (ASTM D 638-77a)
Flexural Strength:	12,500 psi (ASTM D-790-71)
Flexural Modulus:	3.7 x 105 psi (ASTM D-790-7l)
Bond Strength:	>400 psi (l00% concrete failure)
Abrasion Resistance:	0.04 gm /1000 revolutions (ASTM D-4060, Taber Abrader) (CS-17 wheel, 1,000 gm load
Flammability:	Self-extinguishing. (ASTM D-635) Extent-of-burning 0.25 inches max.
Water Absorption:	0.1% (ASTM C-413)
Heat Resistance Limitation:	140º F/60º C (for continuous exposure) 200º F/ 93ºC (for intermittent spills)
Volume mix ratio:	1.5 to 1 (Resin to Hardener)
Viscosity (mixed):	2200-3000 CPS Typical
Solids Content (%):	100 % (ASTM D-2697)
Hardness (ASTM D-2240)	75-85 (Shore D)
VOC:	0 g/l (EPA method 24)
Application Temps:	60^0 – 85^0 F
Gel Time	20-35 minutes @ 75^0 F
Dry to Touch (recoat with compatible product)	1.5 – 3.5 hours @ 75^0 F
Through-Cure	3.5 – 5.5 hours @ 75^0 F
Open for Light Traffic	24 hours @ 75^0 F
Shelf Life	1 Year in unopened units
Ready for Chemical / Heat Exposure	Minimum of 48 hours @ 75^0 F (Can be up to 7 days to fully cross link)

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.