ROCK TRED
POLYMER COATING SOLUTIONS
Defining Excellence Since 1939

PHYSICAL TESTING DATA

CHEM-ROCK HV

Product Description:

CHEM-ROCK HV is a water clear, 100% solids, high viscosity, 2-component, cyclo-aliphatic epoxy coating. **CHEM-ROCK HV i**s a multi-use coating designed to provide very good abrasion and chemical resistance, UV protection, gloss retention, durability and workability for the applicator.

CHEM-ROCK HV is used where a water clear or solid color high build "neat" coating is required or as a heavy finish coat over broadcast or trowel applied industrial or decorative flooring systems. **CHEM-ROCK HV** is VOC compliant and meets all USDA/FDA guidelines for use in federally inspected facilities.

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:	2 to 1 (Resin to Hardener)
Viscosity (mixed):	1200 - 1350 CPS Typical
Solids Content (%):	100 % (ASTM D-2697)
VOC:	0 g/l (EPA method 24)
Application Temps:	60^0 – 85^0 F
Hardness (ASTM D-2240)	75-85 (Shore D)
Gel Time	40-50 minutes @ 75^0 F
Dry to Touch (recoat with compatible product)	3 - 5 hours @ 75^0 F
Through-Cure	9 - 11 hours @ 75^0 F
Open for Light Traffic	24 hours @ 75^0 F
Shelf Life	1 Year in unopened units

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.