

Product Description:

CHEM-ROCK MV is a water clear, 100% solids, medium viscosity, 2-component, cyclo-aliphatic epoxy coating. **CHEM-ROCK MV** is 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 MV is used where a water clear or solid color high build “neat” coating is required or as an easy working, self-leveling body or finish coat in broadcast or trowel applied industrial and decorative flooring systems. Its medium viscosity characteristic makes it an ideal “seed” coating to broadcast flakes or aggregate into. **CHEM-ROCK MV** 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 10 ⁵ psi (ASTM D-695-77)
Tensile Strength:	7,100 psi (ASTM D638-77a)
Tensile Modulus:	3.6 x 10 ⁴ 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 10 ⁵ psi (ASTM D-790-71)
Bond Strength:	>400 psi (100% 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:	140° F/60° C (for continuous exposure) 200° F/ 93°C (for intermittent spills)
Volume mix ratio:	2 to 1 (Resin to Hardener)
Viscosity (mixed):	900-1000 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 - 4 hours @ 75 ⁰ F
Through-Cure	8 - 10 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.