

# ROCK-CRETE TR SYSTEM

## Product Description:

**ROCK-CRETE TR (V.2014)** is a high-solids cementitious urethane flooring system designed for hand trowel or gauge rake application. **ROCK-CRETE TR (V.2014)** has a coefficient of expansion similar to that of concrete allowing it to tolerate large temperature swings (thermal-shock) and service exposure to wet and dry temperatures of up to 220° F

**ROCK-CRETE TR (V.2014)** contains zero VOC's, resists caustics, organic and inorganic acids and many other harsh chemicals. **ROCK-CRETE TR (V.2014)** is ideal for use in food and beverage processing plants and commercial kitchens. **ROCK-CRETE TR (V.2014)** meets all of the USDA/FDA guidelines for use in federally inspected facilities.

## Physical Testing Information for ROCK-CRETE TR System applied at 1/4"

Mix Design:	2.0 Mixed Gallons of Urethane Liquids (Parts A & B) to TWO 45 lb. bags of RT Aggregate (Part C)
Viscosity (mixed):	520 CPS Typical
Solids Content (%)	95% (ASTM D-2697)
Hardness (ASTM D-2240)	80-90 (Shore D)
Volatile Organic Compounds:	0 g/l (EPA method 24)
Compressive Strength	7,300 PSI (ASTM C-579)
Flexural Strength	1,800 PSI (ASTM C-580)
Tensile Strength	800 PSI (ASTM C-307)
Modulus of Elasticity	1.7 x 10 <sup>5</sup> PSI (ASTM C-580)
Coefficient of Thermal Expansion	1.1 x 10 <sup>5</sup> PSI (ASTM C-531)
Thermal Conductivity	8 BTU in./Ft <sup>2</sup> h °F. .9 W/mK (ASTM C-179)
Density	130 lb/ft <sup>3</sup> (ASTM C-905)
Resistance to Fungi Growth	1 (least growth on a 1-4 scale per ASTM G21)
Water Absorption	<.1% (ASTM C-413)
Application Temp	50° – 75°F
	40° – 50°F (precondition material to 70°F)
Working time	15 minutes @ 75°F
Recoat time	3-4 hours @ 75°F
'Open' to foot traffic	5-6 hours @ 75°F
'Open' to vehicle traffic	12-16 hours @ 75°F
Shelf Life	1 Year in unopened units

Please review ROCK-TRED's Product Data Sheet and SDS for further information on this product.