

<b>THERMOPHYSICAL PROPERTIES</b> <b>ProTek-USA' s CRICS<sup>SM</sup></b> <i>Reflective Insulating Ceramic Coating Systems</i>	<b>RATING</b> <b>Test results from various independent laboratories and institutions</b>		
<b>REFLECTIVITY</b>	<b>84% Plus (0.9 +)</b>		
<b>EMMISIVITY</b>	<b>94% Plus (0.9 +)</b>		
<b>LUMINOUS RADIATION</b>	<b>90% Plus (0.9 +)</b>		
<p><b>TRADITIONAL INSULATION</b></p> <p>Traditionally, insulation problems are solved in one of two ways:</p> <ul style="list-style-type: none"> <li>❑ Add more insulation (foam and/or fiberboard and/or fiberglass)</li> <li>❑ Increase the HVAC units, power or capacities to fight the already gained heat inside the buildings</li> </ul>	<p><b>REFLECTIVE-INSULATING CERAMIC COATINGS</b></p> <p><b>THERMAL PROPERTIES</b> of our Coating Systems solve PROBLEMS and provide BENEFITS:</p>		
<p>With traditional insulation, only marginal improvements are obtained. Both the problem and its cause still exist! The Roof surface is still <b>HOT</b> and all thermal extremes associated with that heat build-up still exist. These thermal extremes will lead to:</p> <ul style="list-style-type: none"> <li>• Asphalt and membrane cracking, "alligator skin" and delamination of membrane plies.</li> <li>• Rusting metal roof caused by failure of factory-painted or galvanized steel.</li> <li>• Open seams, due to thermal shock stresses and material failure, resulting in leaks.</li> <li>• Condensation and waterlogged batt insulating material resulting in substantially reduced R-Factor.</li> </ul> <p>Other TRADITIONAL INSULATION PROBLEMS: What is the R-Factor of water-saturated (from condensation) fiberglass or foam? What about corrosion, dry-rot and formation of algae and fungi that results from water-saturation? (all nicely covered up by the waterlogged batt insulation - until it is removed or falls off the ceiling!). Expensive utility bills and reduced life from equipment and machinery are the result!</p> <p><b>REMEMBER: CONDUCTIVE-BASED INSULATION DOES NOTHING TO REDUCE ROOF TEMPERATURE &amp; DETERIORATION.</b></p>	<b>PROBLEM</b>	<b>SOLUTION</b>	<b>BENEFIT</b>
	Interior Heat Gain	<b>CRICS<sup>SM</sup></b>	<b>Increased comfort level and higher productivity, protection of heat-sensitive inventory</b>
	High Energy Costs	<b>CRICS<sup>SM</sup></b>	<b>Reduction of Utility bills, lower over-head expenses</b>
	High Cooling Load	<b>CRICS<sup>SM</sup></b>	<b>Reduced maintenance costs, increased life of AC equipment</b>
	Heavy use of AC equipment required	<b>CRICS<sup>SM</sup></b>	<b>Energy Savings up to 68 % !</b>
	Corrosion	<b>CRICS<sup>SM</sup></b>	<b>Corrosion Control-improved structural integrity</b>
	Water Penetration	<b>CRICS<sup>SM</sup></b>	<b>Increased life expectancy of roof, preserving existing conventional insulation and its R-Factor, cost effective re-roofing alternative</b>
	Cosmetics-Unattractive building	<b>CRICS<sup>SM</sup></b> <b>CRICS<sup>SM</sup></b> <b>CRICS<sup>SM</sup></b>	<b>Effectively sealing wood and mortar exteriors, long lasting attractive finish, cooler interior, superior and economical alternative to ordinary coatings.</b>