



## Garage Door Thermal Performance Ratings That You Can Trust

The DASMA Thermal Performance Rating is the means through which U-Factor will become the industry standard when representing thermal performance of sectional garage doors. Participants in the program are industry leading manufacturers who test their doors using the nationally recognized ANSI/DASMA 105 test method.

<p><b>U-Factor vs R-Value</b></p> <p>A U-factor represents the entire garage door assembly and is intended to determine the thermal properties of an installed door. Insulation type, thermal breaks, and windows are several variables that can affect the U-factor of a garage door.</p> <p>In comparison, R-value is a calculated measurement that reflects the insulating material only. R-value represents the thermal property of only the insulation of an individual door section.</p>	<p><b>With U-Factor, Lower is Better</b></p> <p>U-factor is a measure of the thermal transmittance of heat flow; therefore, when the thermal performance of the product is improved, less heat is transferred through the door assembly, resulting in a lower U-factor number or value.</p> <p>In comparison, R-value is a measure of the resistance to heat flow, therefore when the performance of the product is improved, the resistance to heat flow is increased, resulting in a higher R-value.</p>
<p><b>U-Factor, the Energy Rating Standard</b></p> <p>Why is DASMA focusing on this U-factor energy rating?</p> <ul style="list-style-type: none"> <li>• Thermal performance remains a key feature used by consumers, contractors, building owners, and architects to evaluate garage door applications. This new rating system will more accurately represent the thermal performance of sectional garage doors.</li> <li>• Implementing ANSI/DASMA 105 provides a uniform test method for all manufacturers. DASMA also mandates that participants in the program have testing performed by independent certified test facilities. This will result in more accurate values and comparisons between brands and sectional door types.</li> <li>• U-factor has been used to determine the thermal performance of fenestration products for many years. This includes windows, sliding doors, entry doors, skylights, etc.             <ul style="list-style-type: none"> <li>○ All Energy Star fenestration products are rated by U-factor.</li> </ul> </li> <li>• Building codes and knowledgeable professionals recognize that assembly value is more important than component value and that U-factor is a more reliable method of representing actual thermal performance.</li> </ul>	
<p><b>DASMA Thermal Performance Program Guidelines</b></p> <ul style="list-style-type: none"> <li>• Only participating manufacturers with certified test results will be allowed to use the DASMA Thermal Performance Rating logo.</li> <li>• Manufacturers that are participating in the program and are testing products according to DASMA Thermal Performance Rating standards are setting themselves apart from other manufacturers. Only participants are permitted to use the DASMA Thermal Performance Rating logo to identify doors listed in the program.</li> <li>• Air Infiltration is not a factor in DASMA program and will remain a separate distinguishing quality of a sectional garage door.</li> <li>• Continued performance of participating manufacturers is verified by an independent third party.</li> </ul>	

**Set yourself apart from the competition by educating consumers to only accept products from participating manufacturers. Look for the DASMA Thermal Performance Rating logo.**