

R-value heads for the rocking chair

Thermal performance has been integral to the garage door industry for over five decades. All along, the metric of choice has been R-value — i.e., the resistance to heat flow, measured in units of $\text{hr}\cdot\text{ft}^2\cdot^\circ\text{F}/\text{Btu}$.

R-value attempts to describe how many degrees Fahrenheit temperature difference (from inside to outside) it takes to push one Btu of heat through one square foot of door area in one hour. R-value has helped the industry by providing a common language to discuss the crucial subject of energy efficiency; however, its limitations have been long known.

Simply put, you could say R-value “attempts to describe” the resistance to heat flow but “doesn’t really describe” it very well! To make matters worse, there has been little consistency between door manufacturers in the methods of determining R-value. For details on these limitations, see the Thermal Performance Verification Program article on page 54 of this issue of Door + Access Systems.

With the launch of the DASMA U-factor Program, R-value is now heading for retirement. The result will be an increase in professionalism and respect for our industry. The launch of this program marks a turning point for our industry and an important achievement. Let’s work together to bring it across the finish line sooner rather than later.

DIRECTOR'S

CORNER



Dave Monsour,
DASMA Technical Director

What can dealers and manufacturers of insulated garage doors do to promote the transition to U-factor?

1. Understand the reasons for the transition and the advantages of using U-factor to determine thermal performance. See DASMA TDS #163 for details.
2. Educate your customer base about true thermal performance. Reference specs, for example, by pointing out the absence of R-value from building codes since 2018.
3. For manufacturers, join the program! DASMA's U-factor program is just getting started, with eleven of the largest industry players already on board. Test and enroll products and use the labels.

Contact us

If you have questions about this topic or suggestions for future content, please email Dave Monsour at dasma@dasma.com. ■



RAPIDO™ TWICE AS FAST

2X FASTER*

OPEN AND CLOSE YOUR DOOR TWICE AS FAST WITH A RAPIDO OPERATOR FROM MANARAS-OPERA.

The RAPIDO™ features a door speed up to 2 times faster than standard models available to the commercial and industrial door market.

The RAPIDO™ increases the longevity of the complete door system, designed to speed-up industrial standard lift sectional doors while smoothly managing soft-starts and soft-stops.

CHOOSING THE RAPIDO™ IS SIMPLE WHEN TIME AND ENERGY SAVINGS IS A MUST.

On-board control and monitoring of external entrapment protection devices, provide speed managing features and enhanced performance and reliability.

*The RAPIDO™ operator is up to 2X the speed of a standard jackshaft operator.



CALL US FOR MORE INFORMATION: 1-800-361-2260
www.manaras.com



- MEMBER OF THE CANIMEX GROUP -