

**Guidelines for the publishing of R-values and U-factors associated with  
residential and commercial garage doors, using TDS-163  
December 19, 2008**

1. Calculated door section. Individual garage door manufacturers advertising and marketing residential or commercial garage door section R-value for a particular product should do so in accordance with the calculation procedures outlined in the latest published version of DASMA Technical Data Sheet #163.
2. Tested, installed door. Individual garage door manufacturers advertising and marketing residential or commercial tested, installed garage door R-value for a particular product, should do so based on taking the inverse of the tested, installed door U-factor to obtain the R-value (i.e.,  $R = 1/U$ ). Tested, installed door U-factor should be in accordance with procedures referenced in the latest published version of DASMA Technical Data Sheet #163 or ANSI/DASMA 105.
3. Door section R-value. In determining the R-value used in the calculation method, testing can be performed on the insulation component or on a representative area of a section with facings attached.
4. Published R-value qualification. Each published R-value associated with a residential or commercial garage door product should include a specific reference noting that “Calculated door section R-value is in accordance with DASMA TDS-163”. If R-value is for a tested, installed door, a specific reference should note that “tested, installed door R-value is in accordance with procedures referenced in DASMA TDS-163 or ANSI/DASMA 105”.
5. U-factor. U-factor may be published as an alternative to R-value, but must only be used in conjunction with a tested, installed garage door. If U-factor is published, a specific reference should note that “tested, installed door U-factor is in accordance with procedures referenced in DASMA TDS-163 or ANSI/DASMA 105”.
6. Timeframe for implementation. These guidelines will become effective on January 1, 2009, with modifications to manufacturer literature needing to be achieved by no later than July 1, 2009.

NOTE: This document is an information tool to be used in conjunction with TDS-163, as published October 15, 2008. If manufacturers choose to advertise and market the R-values and U-factors of their residential and commercial garage doors products, this document provides guidelines for the publishing of those values. Always consult with individual manufacturers regarding specific building construction applications and garage door thermal performance.