

**Equivalency Analysis**  
**ANSI/DASMA 108-2012 versus ANSI/DASMA 108-2005**  
**Prepared by DASMA - November 6, 2013**

**Background**

Regarding 2012 version of ANSI/DASMA 108 versus the 2005 version, the standard was expanded to include "flexible doors" which are typically vinyl, rubber or fabric doors intending to operate at high speeds and/or high cycles. The standard was also clarified by removing some language not needed, and by more specific deflection recovery criteria in an Appendix section.

**Conclusion**

ANSI/DASMA 108-2012 is technically equivalent to ANSI/DASMA 108-2005. Products tested to either standard will result in the same level of performance data and comply with acceptance criteria at the same level.

**Analysis, Section-by-Section:**

Contents:	Same as ANSI DASMA 108-2005
Forward:	Same as ANSI DASMA 108-2005
Scope:	Title - Added "and Flexible Doors"
Section 1.0	1.1 - Added "and flexible door"
Section 2.0	2.2 - Added "Flexible Door: A door, excluding rolling sheet doors as defined in DASMA 207, in which a flexible fabric or other flexible sheet material forms the panel portion, even though it may have a rigid frame, rigid reinforcements, rigid support means for one or more edges thereof, or combinations of these features." <b>Comment: New content. No effect on test performance using previous version of the standard.</b>
Section 3.0	Same as ANSI DASMA 108-2005
Section 4.0	Same as ANSI DASMA 108-2005
Section 5.0	Same as ANSI DASMA 108-2005
Section 6.0	6.1- Removed "For sectional garage doors" <b>Comment: Editorial change: No effect on test performance.</b>

Section 7.0	Same as ANSI DASMA 108-2005
Section 8.0	Same as ANSI DASMA 108-2005
Section 9.0	<p>9.3- Added “For flexible doors, the test report shall include a diagram indicating which side of the door received positive pressure and which side of the door received negative pressure.”  <b>Comment: New content. No effect on test performance using previous version of the standard.</b></p> <p>Removed “The exterior side of the specimen shall face the higher pressure side for positive loads; the interior side shall face the higher pressure side for negative loads.”  <b>Comment: Editorial change. No effect on test performance.</b></p> <p>9.5- Broke out portion of 9.5 and made section 9.5.1  <b>Comment: Editorial change. No effect on test performance.</b></p>
Section 10.0	Same as ANSI DASMA 108-2005
Section 11.0	Same as ANSI DASMA 108-2005
Section 12.0	<p>12.2- Added “For flexible doors, the test report shall include a diagram indicating which side of the door received positive pressure and which side of the door received negative pressure. (separate drawings for each test specimen are not required if all test specimen differences are noted on the drawings)”  <b>Comment: New content. No effect on test performance using previous version of the standard.</b></p>
Referenced Documents	<p>Added “DASMA 207, Standard for Rolling Sheet Doors”  Added “TAS 202-94, Uniform Static Air Pressure Testing, Miami-Dade County Building Code Compliance Office.”  <b>Comment: Reference documents added. No effect on test performance.</b></p>
Test Report	Same as ANSI DASMA 108-2005
	<b>Appendix A</b>
1. Scope	Same as ANSI DASMA 108-2005
2. Reference Documents	Same as ANSI DASMA 108-2005

3. Terminology	Same as ANSI DASMA 108-2005
4. Significance And Use	Same as ANSI DASMA 108-2005
5. Test Specimen And Procedures	<p>Removed “ A pressure treated nominal 2 x 4 - #3 Southern Pine wood buck shall be used for attachment of the specimen to the test frame/stand/chamber. Such wood buck shall become part of the approval.”</p> <p><b>Comment: The wood buck has had no effect on test performance.</b></p>
6. Apparatus	Same as ANSI DASMA 108-2005
7. Hazards	Same as ANSI DASMA 108-2005
8. Testing Facilities	Same as ANSI DASMA 108-2005
9. Format of Test	Same as ANSI DASMA 108-2005
10. Test Reports	Same as ANSI DASMA 108-2005
11. Recording Deflections	<p>Removed “100% recovery is required after half test load”</p> <p>Added “95% recovery is required after half test load. (see Miami-Dade BCCO checklist 0220). An initial datum plane shall be established for this measurement, along with an initial measurement of deflection under a predetermined baseline pressure condition equal to 10% of the test load. Once the initial baseline deflection measurement is taken, it shall be replicated after the pressure test to measure the change in permanent set of the curtain.”</p> <p><b>Comment: This technical correction was needed as a practical change, since the 100% recovery has not been attainable but the 95% has been attainable.</b></p>
12. Additional Testing	No change
13. Product Marking	No change