

August 19, 2020

Mr. Jacob Wildhaber
Quaker Windows and Doors
P.O. Box 128
Freeburg, MO 65035

RE: EQUIVALENCE OF AAMA 506-11 TO AAMA 506-16

Dear Mr. Wildhaber:

At your request, Intertek-ATI has reviewed the subject test method standards to evaluate their equivalence for demonstrating compliance to the AAMA 506-11 version of the standard as referenced by the Florida Building Code. Specifically, I am comparing:

AAMA 506-16 Voluntary Specifications for Impact and Cycle Testing of Fenestration Products
from *AAMA 506-11 Voluntary Specifications for Impact and Cycle Testing of Fenestration Products*.

Changes between the version years of the standard were minor and editorial in nature. Requirements for the apparatus, test specimen, calibration, test procedure, and analysis remain the same. The AAMA 506-16 version does include updated reference standards such as ASTM E1886-13a from E1886-05 (previously E1886-02) and ASTM E1996-14a from E1996-12. Changes between these versions of the standard are also editorial in nature.

Our laboratories in York, Pennsylvania and Plano, Texas are accredited to perform the above referenced test method. It is my professional opinion that the test method standards are equivalent.

Specific changes to ASTM E1886 from E1886-02 through E1886-13a include: A) deletion of garage and rolling doors from the scope of this standard and referencing DASMA115 for those products and B) addition of discussion on use of allowable stress design, use of ultimate stress, and conversion of ultimate stress to service load levels.

Specific changes to ASTM E1996 include: A) deletion of Wind Zone 4 from the body of the standard and creation of Annex X4 to contain the language associated with Wind Zone 4 and B) The wind speeds used to define the wind zones changed to reflect changes made in ASCE7.

ASTM E1886 and its companion document ASTM E1996 result in a missile rating and a design pressure rating. The pass/fail criteria and that rating are not affected.



Intertek-ATI appreciates the opportunity to be of service to you on this request. Please do not hesitate to follow-up if any clarifications are needed.

For Intertek-ATI:

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MJT:ajm

cc: J7684.01-122-34
Mr. Robert Hidlay

