



**AMERICAN ARCHITECTURAL
MANUFACTURERS ASSOCIATION
TECHNICAL INTERPRETATION**

**INTERPRETATION
NUMBER**

#70

DATE OF INQUIRY:

July 6, 2017

PERTINENT AAMA SPECIFICATION(S):

- AAMA 1702.2-95
- AAMA 1702.2-12

SECTION(S) IN QUESTION:

- 1702.2-95 - Section 1.4
- 1702.2-12 - Sections 4.2.5 and 4.2.5.1

Historically, “Summer Mode” testing to 1702.2-95 involved opening the self-storing storm window on the storm door and leaving the screen in place. The labs are now saying that the storm door is to be fully open, which renders it effectively absent.

AAMA 1702.2-95 Says:

1.4 Testing

1.4.1 All tests shall be performed on swinging exterior passage door units with all operable portions closed. The test unit constitutes the maximum size of this product that may be listed as certified.

Combination swinging exterior passage doors, (interior primary door, exterior storm door) shall be tested structurally and for air infiltration with all applicable portions closed. For water resistance, this unit shall be tested in the following sequence:

- A. Storm Door latched with operable panels in the OPEN position.
- B. Storm Door latched with operable panels in the CLOSED position.

AAMA 1702.2-12 says:

4.2.5 Water Resistance Test

No leakage shall pass the interior face of the test specimen at a test pressure of 0 Pa. (0 psf) when tested in accordance with ASTM E547 with a test period consisting of four cycles, each cycle consisting of five minutes with pressure applied and one minute with pressure released, during which the water spray will be continuously applied.

4.2.5.1 For the purpose of compliance with Section 4.2.5, all combination swinging exterior passage doors units which may have storm doors with screens shall be tested in both the summer mode and the winter mode.

To define winter and summer modes, they cite this excerpt from NAFS-08:

Summer mode — when the primary window/door is closed and latched, the secondary window/door or outer primary window/door is opened fully and the insect screen (when offered or specified by the manufacturer) is in the functional position.

And this one from NAFS-11

Single mode — the primary window/door is closed and latched, the secondary window/door or outer primary window/door is opened fully, and the insect screen (when offered or specified by the manufacturer) is in the functional position.

When testing a dual window, one is only required to open the sash. Does the standard intend that the whole storm door be opened (or removed) as opposed to just opening the window and leaving the screen in place as you would with the secondary portion of a dual window? Opening the entire storm door effectively renders the door a single door as opposed to a combination door. In addition, fully opening the door takes the screen entirely out of the equation.

INTERPRETATIONS REQUESTED:

- 1) With respect to AAMA 1702.2-95, is it the intent of the standard that summer mode testing on a combination door (Primary Side Hinged Door plus attached Secondary Side Hinged Storm Door) be conducted with the Secondary Storm Door fully opened or removed?
- 2) With respect to AAMA 1702.2-12, is it the intent of the standard that single mode testing on a combination door (Primary Side Hinged Door plus attached Secondary Side Hinged Storm Door) be conducted with the Secondary Storm Door fully opened or removed?
- 3) With respect to AAMA 1702.2-95, is it the intent of the standard that summer mode testing on a combination door (Primary Door plus attached Secondary Storm Door) be conducted with the Secondary Storm Door closed, but with operable windows fully opened and with the insect screen in the functional position?
- 4) With respect to AAMA 1702.2-12, is it the intent of the standard that single mode testing on a combination door (Primary Door plus attached Secondary Storm Door) be conducted with the Secondary Storm Door closed, but with operable windows fully opened and with the insect screen in the functional position?

INTERPRETATIONS MADE:

- 1) No
- 2) No
- 3) Yes
- 4) Yes

APPROVED BY:

AAMA Document Management Committee – 01/17/18