



WDMA / AAMA / CSA JOINT TECHNICAL INTERPRETATION

INTERPRETATION
NUMBER
07-02

DATE OF INQUIRY: January 08, 2007

Approved 2/08

PERTINENT JOINT WDMA/AAMA/CSA SPECIFICATION(S):

AAMA/WDMA/CSA 101/I.S.2/A440-05

SECTION(S) IN QUESTION:

AAMA/WDMA/CSA 101/I.S.2/A440-05 requires fenestration products be tested “closed and locked” for air leakage (5.3.2.1) and water penetration resistance (5.3.3.2). This request seeks clarification of what it means for a hinged door to be “closed and locked”. This definition might also be applied to section 5.3.4.2, uniform load deflection test, and 5.3.4.3, uniform load structural test.

INTERPRETATION REQUESTED:

A passage latch and deadbolt combination might allow a door to be “locked” in the sense of “rendered inoperable from the outside without the use of a key” by locking the passage latch only without engaging the deadbolt.

A multi-point lock such as is common on hinged patio doors might consist of linked passage latch, auxiliary latches, and deadbolt. The operational sequence of these varies between manufacturers. Some require all the latching devices to be engaged before the door can be “locked” as defined above. Some permit the door to be “locked” without engaging those auxiliary latches to permit someone unfamiliar with the lock to secure the door against intrusion. The auxiliary latches may materially assist the air and water tightness of the door and will affect its ability to withstand wind load.

A homeowner might expect that a door would perform to its rated levels of air and water tightness anytime it is “locked”.

Should a hinged door be tested for air and water tightness with all auxiliary latches engaged?

SUGGESTED INTERPRETATION:

Yes

REVIEWED/ APPROVED BY:

COMMITTEE	COMMENTS / ACTION	STATUS	DATE
JDMG			04/30/07
AAMA		Approve	2/28/07
CSA		Approve	10/10/07
WDMA		Approve	03/21/07