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EWFA Test Report No.	EWFA 25002500a.1 Page 1 of 3
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Test Sponsors	Issue Date
Able Security Group 5/17-19 Beach Road Maroochydore, QLD 4558 and E+ Building Products Pty Ltd, Unit 1, 6-8 Huntley Street Alexandria NSW 2015	17/06/14
	Validity Date
	17/06/19

The Fire Resistance Performance of E+ Doorsets with nominated variation to the Door Latchset

Variations Considered in this Report
Fitting an Able Security S236M-69A Latchset in lieu of the door Latchset tested in the referenced tests.

Referenced Test Reports		
Test Report	Doorset Description	Test Standard
FSV 0608	Single leaf Plywood faced E-core mini Doorset nominally 35mm thick	AS 1530.4-1990
FSV 0609	Single leaf Plywood faced E-core mini Doorset nominally 45mm thick	AS 1530.4-1990
SI 2271	Two Leaf Plywood faced E-core mini Doorset nominally 45mm thick	AS 1530.4-1990

Additional Supporting Data			
Test Reference	Doorset Description	Test Duration	Test Standard
EWFA 25002500	Single Leaf Plywood faced E-core mini Doorset nominally 38mm thick.	121 minutes	AS 1530.4-2005

A pilot fire resistance test in accordance with Appendix B11 of AS 1530.4 2005 was conducted on a pilot doorset on the 16th of May 2014. It included an Able Security S236M-69A Latchset fitted to the door leaf.

TESTING AUTHORITY	Exova Warringtonfire Aus Pty Ltd		
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Hardware Description

			
Exposed side	Door edge	Unexposed side	
Product name Able Security S236M-69A Latchset Door system properties: Door leaf thickness: 38mm Backset: 65mm Lockset type: Mortise lockset Cut-out size for lockset: Flush to mortise lock Function test: Latching force: 35.5N Opening force: 0.78N Closing force: 0.98N Function verification: 50 opening and closing cycle: Completed before the test (Manual open) Average door gap clearance: Top edge: 1.4mm East edge: 0.35mm West edge: 3.2mm			Mortise lockset used in the test 

Discussion

It is expected if the proposed Able Security S236M-69A Latchset does not initiate failure of the pilot doorset before failure occurred on the referenced doorsets, then substituting the proposed door latchset with the one tested on the reference doorsets will not be detrimental to the performance of the reference doorsets.

AS 1530.4-2005 states that sustained flaming on the surface of the unexposed face for 10 seconds or longer constitutes integrity failure. During the referenced test EWFA 25002500 the Able Security S236M-69A Latchset did not initiate failure of the doorset during the test period.

Results from Pilot scale test EWFA 25002500 show that the Able Security S236M-69A Latchset is positively assessed for the test periods as indicated below.

Conclusions

On the basis of the above discussion, it is the opinion of this laboratory that the doorsets listed below would be likely to achieve the FRL listed below if they are fitted with an Able Security S236M-69A Latchset on the doorsets as described in this assessment report.

This assessment has been prepared in accordance with Section 4.2 of AS 1905.1:2005 and is conditional upon the operational characteristics and materials of the doorset complying with Section 2 of AS 1905.1:2005. The field of application of the door latchset is defined by the field of application of the doorset the door latchset is installed upon.

Test Ref	Description	FRL
FSV 0608	Able Security S236M-69A Latchset fitted to a single leaf Plywood faced E-core mini doorset nominally 35mm thick	-/120/30
FSV 0609	Able Security S236M-69A Latchset fitted to a single leaf Plywood faced E-core mini doorset nominally 45mm thick	-/120/30
SI 2271	Able Security S236M-69A Latchset fitted to a two Leaf Plywood faced E-core mini doorset nominally 45mm thick	-/120/30

Conditions/Validity

The conclusions of this assessment may be used to directly assess the fire hazard, but it should be recognised that a single test method will not provide a full assessment of fire hazard under all conditions.

Because of the nature of fire resistance testing, and the consequent difficulty in quantifying the uncertainty of measurement, it is not possible to provide a stated degree of accuracy. The inherent variability in test procedures, materials and methods of construction, and installation may lead to variations in performance between elements of similar construction.

The assessment can therefore only relate only to the actual prototype test specimens, testing conditions, and methodology described in the supporting data, and does not imply any performance abilities of constructions of subsequent manufacture.

This assessment is based on information and experience available at the time of preparation. The published procedures for the conduct of tests and the assessment of test results are the subject of constant review and improvement and it is recommended that this report be reviewed by the validity date by Exova Warringtonfire Aus Pty. Ltd.

The information contained in this report shall not be used for the assessment of variations other than those stated in the conclusions above. The assessment is valid provided no modifications are made to the systems detailed in this report. All details of construction should be consistent with the requirements stated in the relevant test reports and all referenced documents.