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Doorset Variation Opinion	DVO41160a_Latch.4	Page 1 of 2
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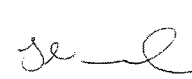

Report Sponsors	Issue Date
Nova Hardware Pty. Ltd. Unit 11/899 Wellington Road, Rowville, VIC, 3178	26/8/2011
E+ Building Products Pty Ltd, Unit 11f, Old Pittwater Road Brookvale NSW 2100	Validity Date
	30/8/2016

The Fire Resistance Performance of E-Core Doorsets with Nominated Variation to the Door Hardware

Variations Considered in this Report
A 6000 Series Mortice Lockset with Novas B01/51/SSS Sprung Levers.

Referenced Test Reports		
Test Report	Doorset Description	Test Standard
FSV 0609	Single Leaf Plywood faced E-core Doorset nominally 45mm thick	AS 1530.4-1997
SI 2271	Two Leaf Plywood faced E-core Doorset nominally 45mm thick	AS 1530.4-1985
FSV 0608	Single Leaf Plywood faced E-core Doorset nominally 35mm thick	AS 1530.4-1997

Additional Supporting Data			
Report Reference	Test Date	Test Duration	Test Standard
WFRA 41160a	21/12/2004	121 minutes	AS 1530.4-1997
A pilot fire resistance test on a representative section of a doorset including a 6000 Series Mortice Lockset with Novas B01/51/SSS Sprung Levers. The lockset did not initiate failure of the pilot doorset during a 121-minute fire resistance test.			

TESTING AUTHORITY	Exova Warringtonfire Aus Pty Ltd		
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Authorisation	Prepared By:	Revised By:	Reviewed By:
			
	C.M. McLean	S. Townsend	K. Nicholls

Discussion

- The pilot test 41160a demonstrated that a 6000 Series Mortice Lockset with Novas B01/51/SSS Sprung Levers would be unlikely to initiate failure for a period of 120 minutes if tested in accordance with AS 1530.4-1997.
- When fitted to doorsets the lockset must be adjusted such that the requirements of AS 1905.1-1997 are satisfied.
- This opinion has been prepared in accordance with AS/NZS 1905.1-1997.

Conclusions

On the basis of the above data and discussion it is the opinion of this laboratory that the doorsets listed below would be likely to achieve the following FRLs if they had been fitted with a 6000 Series Mortice Lockset with Novas B01/51/SSS Sprung Levers.

Test Ref	Description	FRL
FSV 0609	Single Leaf Plywood faced E-core Fire Doorset nominally 45mm thick	-/120/30
SI 2271	Two Leaf Plywood faced E-core Fire Doorset nominally 45mm thick	-/120/30
FSV 0608	Single Leaf Plywood faced E-core Fire Doorset nominally 35mm thick	-/120/30



Typical installation of a 6000 Series Mortice Lockset with Novas B01/51/SSS Sprung Levers.

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.

On the basis of the above data and discussion it is the opinion of this laboratory that the doorsets listed below would be likely to achieve the following FRLs if they had been fitted with a 6000 Series Mortice Lockset with Novas B01/51/SSS Sprung Levers.

Test Ref	Description	FRL - min
FSV 0609	Single Leaf Plywood faced E-core Fire Doorset nominally 45mm thick	-/120/30
SI 2271	Two Leaf Plywood faced E-core Fire Doorset nominally 45mm thick	-/120/30
FSV 0608	Single Leaf Plywood faced E-core Fire Doorset nominally 35mm thick	-/120/30



Typical installation of a 6000 Series Mortice Lockset with Novas B01/51/SSS Sprung Levers.

Conditions/Validity

- This opinion has been prepared by a registered testing authority, Warrington Fire Research Aust Pty Ltd and therefore satisfies the requirements defined in AS 1905.1-1997 for both Australia and New Zealand.
- This opinion may be used to directly assess fire hazard, but it should be recognised that a single test method such as AS 1530.4 on which this assessment is based will not provide a full assessment of fire hazard under all fire conditions.
- This opinion applies to the specific nominated doorsets only and must not be used for any other purpose.
- This opinion should be reviewed by Warrington Fire Research (Aust) Pty Ltd before 31st January 2010.

REGISTERED TESTING AUTHORITY	Warrington Fire Research (Aust) Pty Ltd
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Authorisation	Prepared By:  Reviewed By:  C. M. McLean J. A. Bowen



Sponsors

Nova Hardware Pty. Ltd.
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Rowville, Vic. 3178

**The Fire Resistance Performance of E-Core Doorsets
with nominated variation to the door hardware.**

Application

This assessment is applicable to the following doorsets with the specific variations listed below:

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

Variations considered in this opinion

A 6000 Series Mortice Lockset with Novas B01/51/SSS Sprung Levers.

Additional Supporting Data

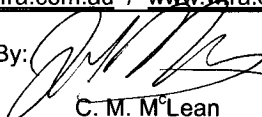
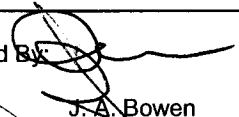
Test No	Test date	Test Duration	Heating Regime
WFRA No. 41160a	21 st December 2004	121 minutes	AS 1530.4 1997

A pilot fire resistance test on a representative section of a doorset including a 6000 Series Mortice Lockset with Novas B01/51/SSS Sprung Levers. The lockset did not initiate failure of the pilot doorset during a 121-minute fire resistance test.

Discussion

- The pilot test 41160a demonstrated that a 6000 Series Mortice Lockset with Novas B01/51/SSS Sprung Levers would be unlikely to initiate failure for a period of **120 minutes** if tested in accordance with AS 1530.4-1997.
- When fitted to doorsets the lockset must be adjusted such that the requirements of AS 1905.1-1997 are satisfied.
- This opinion has been prepared in accordance with AS/NZS 1905.1-1997.

Conclusions

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