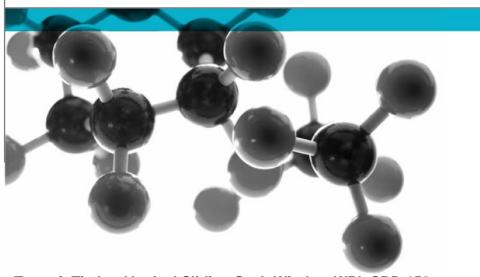
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Testing, calibrating, advising.

## PAS 24: 2012



Test of: Timber Vertical Sliding Sash Window WPL SBD 150

Enhanced security performance requirements for doorsets and windows in the UK

A Report To: Q4 Windows Group ul. Slowianska 8b Koszalin 75-846 Poland

Document Reference: WYC 372814

Date: 12/10/2016

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#### Exova - the new name for BM TRADA

On December 1<sup>st</sup> 2015, Chiltern International Fire Ltd and TRADA Technology Ltd (both trading as BM TRADA) commenced trading under the name Exova.

To coincide with this change, our Technical Reports, Test Reports, Product Assessments, company stationery and marketing collateral have been updated to reflect the Exova branding.

The validity of all documents previously issued by Chiltern International Fire Ltd and TRADA Technology Ltd including certificates, test reports and product assessments is unaffected by this change. A letter to this effect is available upon request by e-mailing europe@exova.com

#### **About Exova**

Exova is part of the Exova Group one of the world's leading laboratory-based testing groups, trusted by organisations to test and advise on the safety, quality and performance of their products and operations. Headquartered in Edinburgh, UK, Exova operates 143 laboratories and offices in 32 countries and employs around 4,500 people throughout Europe, the Americas, the Middle East and Asia/Asia Pacific. With over 90 years' experience, Exova specialises in testing across a number of key sectors from health sciences to aerospace, transportation, oil and gas, fire and construction.

Be assured that while the name will change, your service provision and primary contacts have not. What will be available to you is a wider team of testing experts and an extended range of testing capabilities.

If you have any questions, please do not hesitate to contact a member of the team and we will do our best to answer them. We appreciate your business to date and we look forward to working with you in the future.

Kind regards

Exova

T: +44 (0) 1494 569 600 E: europe@exova.com



# Results of Test: WYC 372814

# **Q4 Windows Group**

ul. Slowianska 8b Koszalin 75-846 Poland

This document confirms that performance testing was conducted on 14 February 2016. Testing was conducted to the following standard:

 PAS 24: 2012 Enhanced security performance requirements for doorsets and windows in the UK

The following results were achieved:

Product tested	Timber Vertical Sliding Sash Window WPL SBD 150		
Sum	Summary of testing procedure		Result
	Test Standard	Classification Standard	
PAS 24: 2012 Clauses C.4.3, C.4.4.2, C.4.4.3, C.4.5, C.4.6 and C.4.7		Pass	

#### Passed PAS 24: 2012 for the requirements of key removable

The results relate only to the specimens tested, as detailed in the technical specification Performance assessed from MM Timber report MTP/F15440/02/C

Kyle Morris

Issued by
Kyle Morris
Senior Technical Officer

Authorised by: Mark West Lab Manager

Issue date: 12th October 2016

#### Exova (UK) Ltd (trading as Exova)

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This document is confidential and remains the property Exova (UK) Ltd





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## **Technical specification**

Report: WYC 372814

Test For: Q4 Windows Group, ul. Slowianska 8b, Koszalin, 75-846, Poland.

Performance testing to PAS 24: 2012 was conducted on your window from 14th February 2016. The technical specification is detailed below. The specimens were delivered to Exova laboratory on 14th January 2016.

## **Description of construction**

The specimens were identical and identified as Timber Vertical Sliding Sash Windows WPL SBD 150. The overall frame dimensions were 1200mm wide x 2000mm high x 150mm deep. The top sash dimensions were 1060mm wide x 948mm high. The bottom sash dimensions were 1060mm wide x 948mm high. The specimen was locked with Fitch Catches and a removable key.

### Sash top and bottom

	Material/type/reference	Dimensions (mm)	Density (kg/m³)
Stiles and rails	Finger Jointed Pine*	50 x 50	550*
		50 x 66	
		50 x 35	
Rebate	Single Type	40 x 15*	-
Joints	Mortice and Tennon*	-	-
Adhesive	Two Component D4 Jowacoll (Ref. 102.20)*	-	-

<sup>\*</sup>As stated by sponsor, not checked by laboratory

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## Window frame

	Material/type/reference	Dimensions (mm)	Density (kg/m <sup>3)</sup>
Stiles and rails	Finger Jointed Pine*	70 x 52	550*
Rebate	Single type	119 x 18	-
Joints	Mortice and Tennon*	-	-
Adhesive	Two Component D4 Jowacoll (Ref. 102.20)*	-	

<sup>\*</sup>As stated by sponsor, not checked by laboratory

## **Hardware**

	Material/type/reference	Size (mm)	Fixing details (dimensions in mm)
Strike Plate	Mighton Strikech (Ref. 764859)*	50 x 29	2No. 3.0 x 20 screws to bottom sash
Fitch Catch	Mighton Locking Securifitch Fastener* (Ref. SECFKEYRHCHR 764862)*	75 x 31	2No. 3.8 x 30 screws to bottom sash
Fitch Catch Keep	Mighton Original Push Ventlock* (Ref. PUSHVLCH 764853)*	75 x 12 x 19	2No. 2.8 x 40 screws to top sash
Cill Lock	Mighton Cill Lock (Ref. CILLCH) *	37 x 23	2No. 3.0 x 25 screws to bottom sash
Sash Lifts	UK807 i (Caldwell)* (Ref. UK807 CH 602034 & UK806 CH 602025)	49 x 20	2No. 3.0 x 25 screws to bottom sash

<sup>\*</sup>As stated by sponsor, not checked by laboratory

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## Perimeter sealing details

	Make/type	Size (mm)	Location
Casement edges	Schlegal Q-Ion (Ref.3004)	10 wide	On sash side
	Schlegal Q-Ion (Ref. 3078)	10 wide	On top and bottom sash
Frame reveal	None Present	-	-
Seal continuity	Seals uninterrupted by hardware	-	-

<sup>\*</sup> As stated by sponsor, not checked by laboratory

## Glazing

	Make/type/size (mm)	Location (dimensions in mm)
Glass type & configuration	4 glass, 16 spacer, 4 glass*	-
Overall size	983 x 874*	-
Sight size	957 x 848	-
Bead	Finger Jointed Pine*	15 x 15
Packers	24 x 100 x 3 Plastic*	3 x 20 x 100 1 x 20 x100
Sealants	DenBraven: TECSIL (Ref. NA 469)	-

<sup>\*</sup> As stated by sponsor, not checked by laboratory

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