

Test Report 3440812.

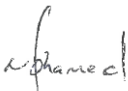
FrameXpress Limited

Introduction.

This report has been prepared by Errol Creary and relates to the activity detailed below:

Job/Registration Details	Client Details
Job number: 3440812 Job type: Testing Samples Submitted Start Date: 07/09/2022 Test type: Audit Sample ID: 10197679 Registration: KM 638453 Scheme: BS 7412/PAS 24 Protocol: PP 519 Scheme Mgr: Lorraine Balch	FrameXpress Limited Unit A1 - A5 Haybrook Industrial Estate Halesfield 9 Telford TF7 4QW United Kingdom

The report has been approved for issue by Mohamed Abukar – Subject Matter Expert

Approved For Issue	
	Issue Date: 14 September 2022

Objectives.

Audit test for product certification

Product Scope.

Patiomaster In-line System PVC-U Patio Slider Door

Report Summary.

The sample was received on 1 August 2022 and the testing was started on 7 September 2022.

The sample submitted complied with the requirements of the test work conducted.

BS 6375-1:2015 Weather Audit.

1 off fully glazed horizontal sliding patio door assembly with a low threshold

(Sample ID No 10197679)

Date sample received: 1 August 2022

Test Results.

- | | | |
|----|----------------------|---|
| 1. | Air Permeability | The test sample met the requirements of the Specification, in respect of Clause 6, for Test Pressure Class 3. |
| 2. | Watertightness | The test sample met the requirements of the Specification, in respect of Clause 7, for Test Pressure Class 7A. |
| 3. | Operational Strength | The test sample met the requirements of the Specification in respect of BS 6375-2:2009, Operating forces – Class 1. |
| 4. | Basic Security | The test sample met the requirements of the Specification in respect of BS 6375-3:2009. |

Sample Selection.

The sample submitted for tests was selected using PP519 Windows and doorsets Kitemark Scheme Protocol. The sample was submitted for test mounted in a 75mm x 100mm timber subframe in accordance with the manufacturer's installation requirements. The test sample was manufactured by the client.

Clause 5 Sequence of Tests.

The sequence of testing the sample followed that detailed in Clause 5 of BS 6375-1:2015.

Clause 5 Performance Requirements.

The performance of the sample was assessed against the requirements detailed in Table 1 Exposure Categories and Classifications.

Methods of Test.

1. **Operating Forces**

The operating forces acting on the sample were determined by the methods given in BS EN 12046-2:2000.

2. **Air Permeability**

The air permeability of the sample was determined by the method given in BS 6375-1:2015.

3. **Watertightness**

The watertightness of the sample was determined by the method given in BS 6375-1:2015.

4. **Basic Security**

The basic security test was carried out using the method given in BS 6375-3:2009 + A1:2013.

Note - BS 6375-3:2009 + A1:2013 basic security not UKAS accredited.

Description of Sample. (Weather)

Sample Type -	Fully glazed horizontal sliding patio door assembly with a low threshold		
Material -	PVC-U		
Construction -	Mitred, welded and grooved		
Fittings -	Active Leaf - an eight-point locking (eight hook bolts) espagnolette system, key lockable 3* Yale cylinder, continuous interlock and two rollers		
Glass -	Double glazed 4-20-4mm toughened glass sealed units		
Panel -	Not applicable		
Glass Retention System -	Internal beads and gaskets		
Weathersealing -	Brush		
Sample dimensions -	Overall length:	2397mm	Height: 2090mm
	Active leaf length:	1199mm	Height: 2000mm
	Inactive leaf length:	1198mm	Height: 2000mm
Date of test -	6 September 2022		
Laboratory temperature -	21.2°C		
Laboratory humidity -	66.1%RH		
Atmospheric pressure -	98.8kPa		

Description of Test Sample.

Works Details

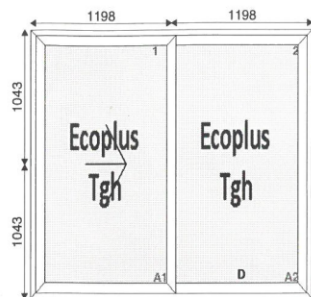
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Last Saved By: darren
Printed By: darren

Customer Details
FRAMEXPRESS LTD

Job No: J2234260
Batch No: 2617
Ref: BSI Test Patio

Date Printed: 25 July 2022 10:54
Date Job Required: 08 July 2022
Required Week: 27

Load Code: 2227w5
Window No: 1 of 2
Location: Patio Door



Basic Frame Size: 2396w x 2086h

1 - 2396w x 2116h inc. 30h Cill
Viewed Outside
Style No: 401
'U' Rated

System Profile 22 - OPTIMA
Group Patio - White
Outer Frame Patio Outer White
Dummy Sash Patio BEVELLED Sash White
L/P Door Sash Patio BEVELLED Sash White
R/P Door Sash Patio BEVELLED Sash White
Transom/Mullion Interlock/Midrails White
Cill 150mm Cill - White
Reinforcement Patiomaster Reinf (Std)
Door Handles TOTAL Key/Key - WHITE
Door Lock ERA Patio PAS24 Lock
L/P Door Handles Patio BEVELLED Sash White
L/P Door Hinges Patio BEVELLED Sash White
L/P Door Lock Patio BEVELLED Sash White
R/P Door Handles Patio BEVELLED Sash White
R/P Door Hinges Patio BEVELLED Sash White
R/P Door Lock Patio BEVELLED Sash White
Drainage CONCEALED
Finish1 White
Frame Extender <<<< Internal Slider >>>>
Bead PD Featured Bead White
Bead PD 28mm Feature Bead White
Gasket Pre Gasketed
Glass Type 4 Low Iron Tgh/20/4 Ecoplus Tgh Black Warm Edge Argon

Reinforcement: Patiomaster Reinf (Std)
Frame Weight: 141.50kg

Sash Extras:

CONTRACT REVIEW	[.....]	HANGING	[.....]
CUTTING	[.....]	BEAD	[.....]
ROUTING	[.....]	FINAL INSPECTION	[.....]
WELDING	[.....]	RE-WORK	[.....]
SASH PREP	[.....]		

P/Code	Short Code	Description	Position	Qty	Len1	Len2	E/P
INTSLIDER		<<<< Internal Slider >>>>	[A1] Misc	1			
C150		150mm Cill White	[^0] Cill	1	2496w		[-]
7715.01		End Caps for C150 Cill White (Pr)	Misc	1			
1200	1200-WHITE	PD 50mm Outer White	Multiple	2	2401w		\-/
1200	1200-WHITE	PD 50mm Outer White	Multiple	2	2091h		\-/
1251	1251-WHITE	PD 80mm Bevelled Sash White	Multiple	4	1201w		\-/
1251	1251-WHITE	PD 80mm Bevelled Sash White	Multiple	4	2007h		\-/
1260		PD Outer Lock Keep Steel	[A1] Misc	1	1760h		
1257-18		PD Sash Steel @ 1800mm Fixed Length	Multiple	2	1800w		

Description of Test Sample. (continued)

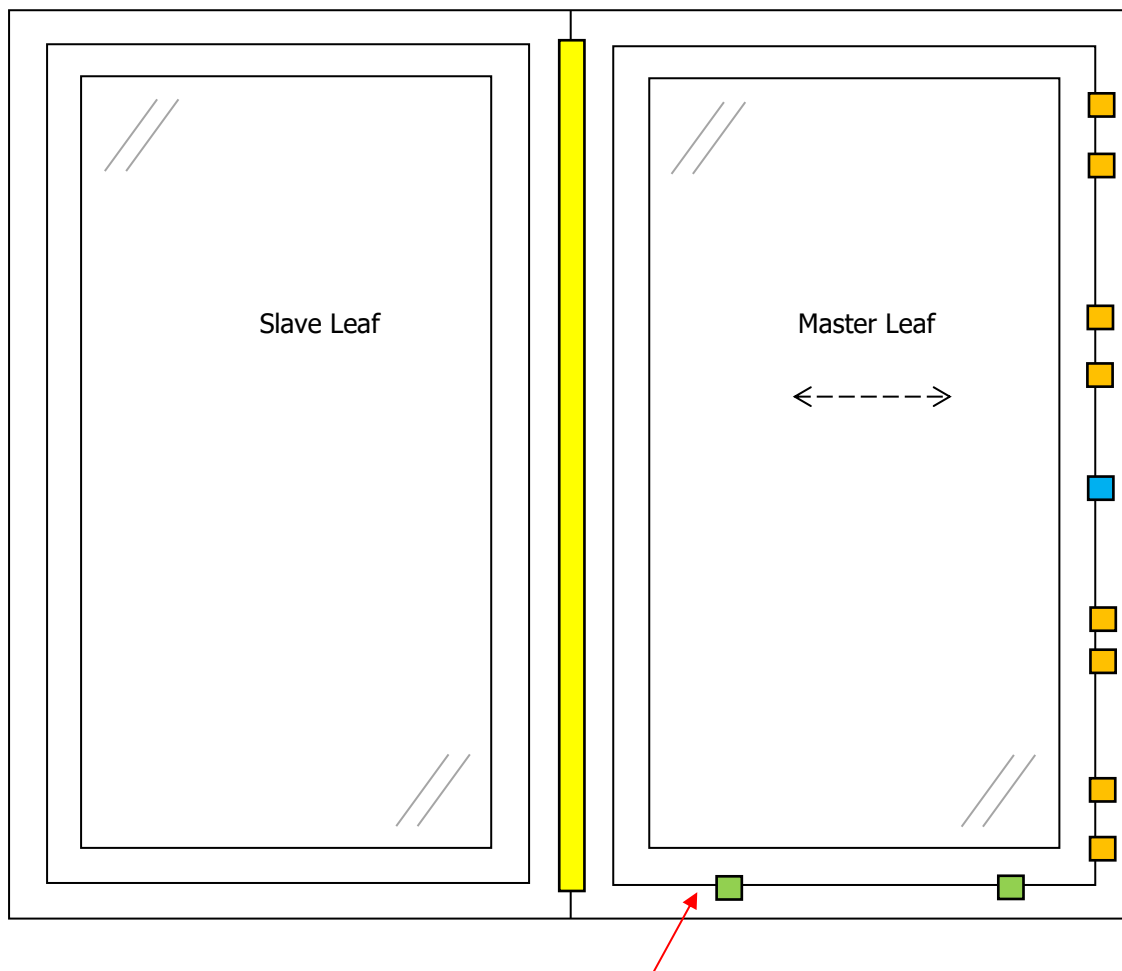
Printout: Works Details - Customer: FRAMEXPRESS LTD - Job No: J2234260 - Location: Patio Door

1258		PD Sash Lockstile Jamb Steel	[A1] RL/Sash	1	1800h	
1257-18		PD Sash Steel @ 1800mm Fixed Length	[A1] RR/Sash	1	1800h	
1257-18		PD Sash Steel @ 1800mm Fixed Length	[^0] R/TM	1	1800h	
2395		PD 28mm Feature Bead White	Multiple	1	11808mm	\- /
1351		PD Brush Seal	Multiple	1	25664mm	\- /
ScrewPack		Misc Screw Pack	[A1] Misc	1		
7520.776		70mm Corner Protector	[A1] Misc	4		
1272		PD Dust Plug	[A1] Misc	2		
1289		PD Sash Cover Profile White	[^0] Special	1	2002h	-
1289		PD Sash Cover Profile White	[^0] Special	1	2002h	-
1253		PD Jamb & Head Trim White	[^0] Special	1	1105w	-
1253		PD Jamb & Head Trim White	[^0] Special	1	2029w	-
1253		PD Jamb & Head Trim White	[^0] Special	1	2029h	-
1254		PD Closure Profile Head White	[^0] Special	1	2164h	-
1254		PD Closure Profile Lock Jamb White	[^0] Special	1	323h	-
1254		PD Closure Profile Lock Jamb White	[^0] Special	1	323h	-
1255		PD Drainage Trim White	[^0] Special	1	1115w	-
1255		PD Drainage Trim White	[^0] Special	1	1115w	-
1474/9003G		PD PAS24 Interlocker White RAL 9003G	[^0] Special	1	2002h	-
1474/9003G		PD PAS24 Interlocker White RAL 9003G	[^0] Special	1	2002h	-
1261		PD Stainless Track	[^0] Special	1	2164w	-
1263		PD Aluminium Tread Profile Black	[^0] Special	1	1105w	-
1273		PD Interlock Brush Seal 12mm	[^0] Vert.	1	2002h	-
1273		PD Interlock Brush Seal 12mm	[^0] Vert.	1	2002h	-
1350		PD86 Anti Lift Brackets	Special	1		
WE57792212.5/S		YALE RL001 Patio Roller S-Steel	Special	2		
1473		PD86 Bump Stop White	Special	2		
1287	2 Pane	PD86 Fixing Screw 82mm LG	Misc	6		
F7851030	2 Pane	Screw 3.9x032 Csk Pz Yd Sp	Misc	21		
F7600038	2 Pane	Screw M4x038 Csk Pz Yd Tp	Misc	10		
F7851016	2 Pane	Screw 3.9x016Csk Pz Yd Sp	Misc	4		
XGU		***** GLASS UNITS *****	[A1] Misc	2		
YS3-4040N		YALE 40/40 3" Cylinder Nickel	[A1] Cylinder	1		
1976		Patio Glazing Bridge	[A1] Misc	16		
MK3PH-WHZ		TOTAL Patio Locking WHITE	[A1] Handle	1		
MK3PSSP-9971WH		TOTAL Patio Screw/Spindle WHITE	[A1] Handle	1		
1480	PatLock	ERA Patio 6 Point Lock	[A1] Lock	1		
1481		ERA Patio 6 Point Keep Aluminium	[A1] Lock	1		
1483		ERA Patio PAS24 Kit Stainless	[A1] Lock	1		
WH	WH	White	Finish	1		

P/Code	Short Code	Position	Qty	Size	Description
T4LI/20/T4ECOPLBWEArgon		Pane:A1(S)	2	1063x 1869	4 Low Iron Tgh/20/4 Ecoplus Tgh Black We

Note – parts list supplied by client but not verified by BSI

Elevation Drawing Showing Position of Hardware.



water leakage point

Handle: ■

Interlock: ■

Hook Bolt: ■

Roller: ■

Graph of Average Air Permeability.

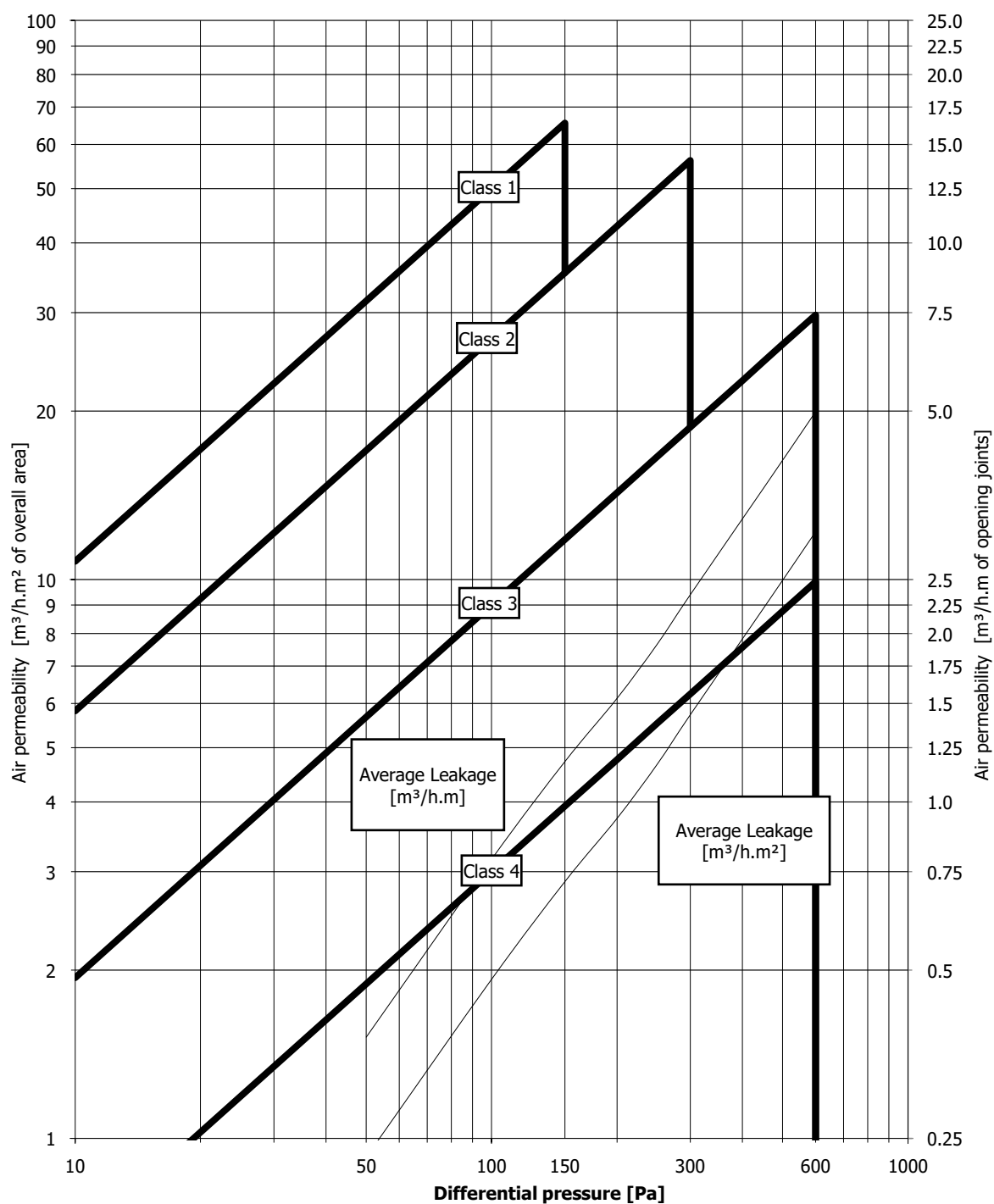


Table of Average Air Permeability.

AIR PERMEABILITY TEST RESULTS - BS EN 1026:2016 / BS EN 12207:2000

Three positive pressure pulses of 660Pa were applied prior to testing

Air Pressure [Pa]	Average rate of air leakage [m ³ /h]	Average rate of air leakage per meter length of opening joint [m ³ /h.m]	Average rate of air leakage relative to area of sample [m ³ /h.m ²]
50	2.2	0.38	0.93
100	4.6	0.79	1.93
150	6.9	1.18	2.88
200	9.0	1.53	3.73
250	11.2	1.92	4.67
300	13.7	2.35	5.73
450	21.3	3.64	8.88
600	29.2	4.99	12.17

Note: The figures in the table above give the leakage as an average of the leakage at positive pressure and the leakage at negative pressure

Total opening perimeter = 5.85m

Overall area = 2.398m²

BS EN 12207:2000 - Joint class = 3

BS EN 12207:2000 - Area class = 3

BS EN 12207:2000 - Overall class = 3

Note - while testing to BS EN 1026, the chamber leakage exceeded 30% of the combined leakage of the chamber and test sample, therefore a non-standard test method applies.

Watertightness Test Results.

BS EN 1027:2016 Clause 7 watertightness before resistance to wind loads

TABLE 2 – Spraying method 1A

Pressure (Pa)	Point at which water leakage occurred
0	No leakage
50	No leakage
100	No leakage
150	No leakage
200	No leakage
250	No leakage
300	No leakage
450	Water leaked out and over the threshold at 0 seconds
600	-
750	-
900	-
1050	-

BS 6375-2:2009.

Clause 6.2 Operating Forces:
BS EN 12046-2:2000 and BS EN 12217:2003

Assessment

The sample was tested three times – closing the leaf, closing the handle, locking the key, unlocking the key, opening the handle and opening the leaf – and the average force recorded

Closing leaf force – 44.96N (maximum 75N)	Pass
Handle closing – N/A (maximum 100N)	-
Key Torque to lock – <1.00Nm (maximum 5Nm)	Pass
Key Torque to unlock – <1.00Nm (maximum 5Nm)	Pass
Handle opening – N/A (maximum 100N)	-
Force to maintain opening – 49.33N (maximum 75N)	Pass

Basic Security (Annex A).

BS 6375-3:2009 + A1:2013

Assessment

The objective of this test is to establish if, from the outside, entry can be gained by defeating the glazing or locking system.

The force used did not result in permanent set or plastic deformation of any tool.

Damaged tools shall be replaced. The test did not exceed the maximum three-minute time period.

The screwdriver was used to no effect.

No entry gained within three minutes.

Pass

Photograph of Water Leakage Point.



PAS 24:2016 Audit.

1 off fully glazed horizontal sliding patio door assembly with a low threshold

(Sample ID No 10197679)

Date sample received: 1 August 2022

Test Results.

- | | | |
|----|-------------------------------------|---|
| 1. | Manipulation | The test sample met the requirements of the Specification in respect of B.4.3 |
| 2. | Infill Removal | The test sample met the requirements of the Specification in respect of B.4.4 |
| 3. | Mechanical Loading | The test sample met the requirements of the Specification in respect of B.4.5 |
| 4. | Security Hardware and Cylinder Test | The test sample met the requirements of the Specification in respect of Annex A |

B.2 Sample Selection.

The sample submitted for tests was selected using the criteria in B.2 of the Specification. The sample was submitted for test mounted in a 75mm x 100mm timber subframe in accordance with the manufacturer's installation requirements. The test sample was manufactured by the client.

The results within this test report are valid only for the conditions under which the testing was carried out, and only for the specified products.

B.3 Requirements for Test Apparatus.

The test apparatus for the manual and mechanical tests is shown in figures B.2 to B.5.

B.4 Test Methods.

The method of testing the sample followed the sequence detailed in B.4 of the Specification.

Description of Sample. (Security)

Sample Type -	Fully glazed horizontal sliding patio door assembly with a low threshold		
Material -	PVC-U		
Construction -	Mitred, welded and grooved		
Fittings -	Active Leaf - an eight-point locking (eight hook bolts) espagnolette system, key lockable 3* Yale cylinder, continuous Interlock and two rollers		
Classification	D		
Glass -	Double glazed 4-20-4mm toughened glass sealed units		
Panel -	Not applicable		
Glass Retention System -	Internal beads and gaskets		
Sample dimensions -	Overall length:	2397mm	Height: 2090mm
	Active leaf length:	1199mm	Height: 2000mm
	Inactive leaf length:	1198mm	Height: 2000mm

Test Results.

Performance Requirements

Assessment

B.4.3 Manipulation Test A

The sample was mounted, vertically and square, in the test rig as described in B.3.1.

The test was carried out in accordance with the given objective of this Annex using the procedure detailed in B.4.3.1 and the tools described in Group A and Group B where applicable.

The sample was closed and locked and the key removed. Although there is a 15 minute overall time limit no one technique was used for more than three minutes.

A craft knife was used to expose the locking and a screwdriver was used to attempt to manipulate the mechanism.

No entry gained by any technique within three minutes.

Pass

Date of test – 7 September 2022

Test engineer(s) – E Creary and K Huscroft

Laboratory temperature – 21.3°C

B.4.4 Cutting and Infill Medium Removal Test

B.4.4.2 Infill Manual Test

The sample was mounted, vertically and square, in the test rig as described in B.3.1.

The test was carried out in accordance with the requirements of this Annex using the tools described in Group A and Group B where applicable.

A craft knife was used to cut holes in the profile and a 6mm chisel used to try to remove the internal glazing beads.

No entry gained within three minutes.

Pass

Date of test – 7 September 2022

Test engineer(s) – E Creary and K Huscroft

Laboratory temperature – 21.3°C

Test Results (Continued).

Performance Requirements (Continued).

Assessment

B.4.4.3 Infill Mechanical Test

The sample was mounted, vertically and square, in the test rig as described in B.3.1.

The test was carried out with a perpendicular-to-plane load of 2.0kN applied to each corner of the glazing.

No evidence of bead failure. No entry gained.

Pass

Date of test – 7 September 2022

Test engineer(s) – E Creary and K Huscroft

Laboratory temperature – 21.3°C

B.4.4.4 Manual Cutting Test

Not applicable

Test Results (Continued).

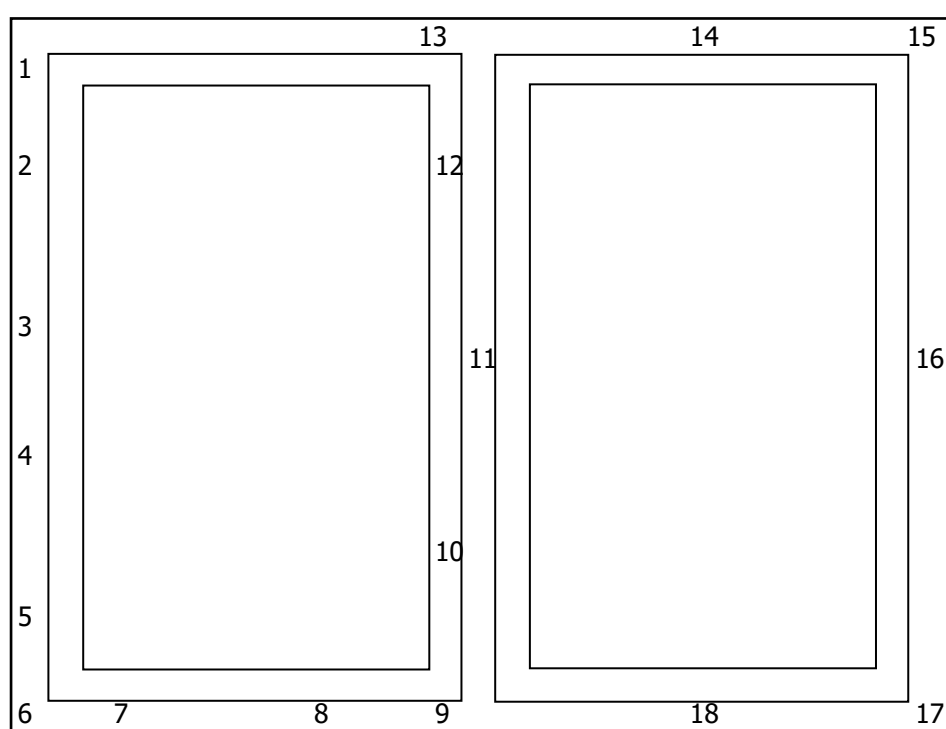
Performance Requirements (Continued).

B.4.5 Mechanical Loading Test

The sample was mounted, vertically and square, in the test rig.

The test was carried out in accordance with the procedures detailed in B.4.5, using loading cases B.1 to B.6 and Figures B.12 for loading sequence, and using the test apparatus detailed in Figures B.6 to B.6.

Diagram of load points



B.4.5.2 Loading Procedure

First Sequence

1. Non-Meeting Corner / Hook Bolt (upper left jamb)

Standard loading case used: 1 / 6

Load applied parallel to plane: 4.5kN applied for ten seconds

Load applied in plane: 1.5kN along the edge in the direction to disengage the bolt

Load applied perpendicular to plane: 4.5kN applied for ten seconds

Load applied in plane: 1.5kN at right angles to the edge and towards the opposite edge

Load applied perpendicular to plane: 4.5kN applied for ten seconds

2. Hook Bolt (upper left jamb)

Standard loading case used: 6

Load applied in plane: 1.5kN along the edge in the direction to disengage the bolt

Load applied perpendicular to plane: 4.5kN applied for ten seconds

Load applied in plane: 1.5kN at right angles to the edge and towards the opposite edge

Load applied perpendicular to plane: 4.5kN applied for ten seconds

Load applied parallel to plane: 4.5kN applied for ten seconds

3. Hook Bolt / Hook Bolt (upper left jamb)

Standard loading case used: 6

Load applied in plane: 1.5kN along the edge in the direction to disengage the bolts

Load applied perpendicular to plane: 4.5kN applied for ten seconds

Load applied in plane: 1.5kN at right angles to the edge and towards the opposite edge

Load applied perpendicular to plane: 4.5kN applied for ten seconds

Load applied parallel to plane: 4.5kN applied for ten seconds

Test Results (Continued).

B.4.5.2 Loading Procedure (continued)

First Sequence (continued)

4. Hook Bolt / Hook Bolt (lower left jamb)

Standard loading case used: 6

Load applied in plane: 1.5kN along the edge in the direction to disengage the bolts
Load applied perpendicular to plane: 4.5kN applied for ten seconds

Load applied in plane: 1.5kN at right angles to the edge and towards the opposite edge
Load applied perpendicular to plane: 4.5kN applied for ten seconds

Load applied parallel to plane: 4.5kN applied for ten seconds

5. Hook Bolt (lower left jamb)

Standard loading case used: 6

Load applied in plane: 1.5kN along the edge in the direction to disengage the bolt
Load applied perpendicular to plane: 4.5kN applied for ten seconds

Load applied in plane: 1.5kN at right angles to the edge and towards the opposite edge
Load applied perpendicular to plane: 4.5kN applied for ten seconds

Load applied parallel to plane: 4.5kN applied for ten seconds

6. Non-Meeting Corner / Hook Bolt (lower left jamb)

Standard loading case used: 1 / 6

Load applied parallel to plane: 4.5kN applied for ten seconds

Load applied in plane: 1.5kN along the edge in the direction to disengage the bolt
Load applied perpendicular to plane: 4.5kN applied for ten seconds

Load applied in plane: 1.5kN at right angles to the edge and towards the opposite edge
Load applied perpendicular to plane: 4.5kN applied for ten seconds

Test Results (Continued).

B.4.5.2 Loading Procedure (continued)

First Sequence (continued)

7. Roller (left active leaf)

Standard loading case used: 8

Load applied in plane: 4.5kN at right angles to the edge and towards the opposite edge
Load applied perpendicular to plane: 1.5kN applied for ten seconds

8. Roller (right active leaf)

Standard loading case used: 8

Load applied in plane: 4.5kN at right angles to the edge and towards the opposite edge
Load applied perpendicular to plane: 1.5kN applied for ten seconds

9. Meeting Edge Corner / Corner of Fixed Light (lower active leaf)

Standard loading case used: 2 / 10

Load applied perpendicular to plane: 4.5kN at right angles to the edge and towards the opposite edge
4.5kN at the mullion to oppose the above load

Load applied in plane: 1.5kN at right angles to the edge and towards the opposite edge
Load applied perpendicular to plane: 4.5kN applied for ten seconds

10. Continuous Interlock (lower active leaf)

Standard loading case used: 4

Load applied perpendicular to plane: 4.5kN at right angles to the edge and towards the opposite edge
4.5kN at the mullion to oppose the above load

Test Results (Continued).

B.4.5.2 Loading Procedure (continued)

First Sequence (continued)

11. Centre of fixed leaf

Standard loading case used: 9

Load applied in plane: 1.5kN at right angles to the edge and towards the opposite edge

Load applied perpendicular to plane: 4.5kN applied for ten seconds

12. Continuous Interlock (upper active leaf)

Standard loading case used: 4

Load applied perpendicular to plane: 4.5kN at right angles to the edge and towards the opposite edge
4.5kN at the mullion to oppose the above load

13. Meeting Edge Corner / Corner of Fixed Light (upper active leaf)

Standard loading case used: 2 / 10

Load applied perpendicular to plane: 4.5kN at right angles to the edge and towards the opposite edge
4.5kN at the mullion to oppose the above load

Load applied in plane: 1.5kN at right angles to the edge and towards the opposite edge

Load applied perpendicular to plane: 4.5kN applied for ten seconds

Test Results (Continued).

B.4.5.2 Loading Procedure (continued)

First Sequence (continued)

14. Centre Edge of Fixed Light (head of fixed light)

Standard loading case used: 10

Load applied in plane: 1.5kN at right angles to the edge and towards the opposite edge
Load applied perpendicular to plane: 4.5kN applied for ten seconds

15. Corner of Fixed Light left (head of fixed light)

Standard loading case used: 9

Load applied in plane: 1.5kN at right angles to the edge and towards the opposite edge
Load applied perpendicular to plane: 4.5kN applied for ten seconds

16. Centre Edge of Fixed Light (centre left jamb of fixed light)

Standard loading case used: 10

Load applied in plane: 1.5kN at right angles to the edge and towards the opposite edge
Load applied perpendicular to plane: 4.5kN applied for ten seconds

17. Corner of Fixed Light (left threshold corner of fixed light)

Standard loading case used: 9

Load applied in plane: 1.5kN at right angles to the edge and towards the opposite edge
Load applied perpendicular to plane: 4.5kN applied for ten seconds

Test Results (Continued).

B.4.5.2 Loading Procedure (continued)

Assessment

18. Centre Edge of Fixed Light (centre threshold of fixed light)

Standard loading case used: 10

Load applied in plane: 1.5kN at right angles to the edge and towards the opposite edge
Load applied perpendicular to plane: 4.5kN applied for ten seconds

No entry gained.

Pass

No entry gained

Pass

Date of test – 7 September 2022

Test engineer(s) – E Creary and K Huscroft

Laboratory temperature – 21.3°C

B.4.3 Manipulation Test B

No fixings were exposed during mechanical loading.

Pass

Date of test – 7 September 2022

Test engineer(s) – E Creary and K Huscroft

Laboratory temperature – 21.3°C

Test Results (Continued).

Annex A Security Hardware and Cylinder Test

Annex A.3.2 (Part 1)

The sample was mounted, vertically and square, in the test rig as described in Clause 3.1.

The test was carried out in accordance with the given objectives of this Annex using the procedure detailed in Annex A.3.1 and the tools described in A.2.

Mole grips were used to remove the handle and snap the cylinder.

No entry gained within three minutes.

Pass

Date of test – 7 September 2022

Test engineer(s) – E Creary and K Huscroft

Laboratory temperature – 21.3°C

Annex A.3.2 (Part 2)

Not assessed due to damage to cylinder and unable to insert tractions screws.

Photograph of Sample.



Test Sample.

Sample Id	ER Number	Description
1	10197679	PVC-U Patio Slider Door

Description of Test Sample.

Sample Description
1 off fully glazed horizontal sliding patio door assembly with a low threshold

Test Requirements.

BS 7412 / PAS 24 patio sliding door audit test

Glossary of Terms.

PASS: Complies. Tested by BSI engineers at BSI laboratories.

PASS1: Complies. Witnessed by BSI engineers in manufacturers laboratory.

PASS2: Complies. Tests carried out by third party lab; results accepted by BSI.

PASS*: Report resulted in uncertainty and states that Compliance is more probable than non-compliance.

FAIL: Non compliance – Product does not meet the requirements of this clause.

FAIL*: Report resulted in uncertainty and states that Non-compliance is more probable than compliance.

N/A: Not applicable to design under consideration.

N/T: Not tested due to similarity to previously tested item; reference earlier test report.

Conditions of Issue.

This Test Report is issued subject to the conditions stated in current issue of 'BSI Terms of Service'. The results contained herein apply only to the particular sample(s) tested and to the specific tests carried out, as detailed in this Test Report. The issuing of this Test Report does not indicate any measure of Approval, Certification, Supervision, Control or Surveillance by BSI of any product. No extract, abridgement or abstraction from a Test Report may be published or used to advertise a product without the written consent of BSI, who reserve the absolute right to agree or reject all or any of the details of any items or publicity for which consent may be sought.

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*** End of Report ***