

ASSA ABLOY AUSTRALIA
235 Huntingdale Rd
Oakleigh, VIC 3166

TEST REPORT (6391)

Security Window Grille

FOR

**(Prowler Proof
122 Buchanan Rd
Banyo QLD)**



NATA Accredited Laboratory
Accreditation No.: 14812

This document is issued in accordance with
~~NATA's accreditation requirements~~

ENG54 / 9

Accredited for compliance with **ISO/IEC**
17025-Testing

Page 1 of 12

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Report No.: **6391**

Date of Issue:

Test Report Security Window Grille	
Test Report Number:	6391
Manufactured By:	Prowler Proof
Tested By:	D Gough
Certified By:	C Korvin
Witnessed By:	A How A Jahed
PAM Number:	
Date of Submission:	18/9/2019
Date:	18/9/2019
Date:	18/9/2019
Date:	18/9/2019

Details of Test Window

Type and Class:	Type 3, Class B
Make or Model:	Prowler Proof-Hinged Window In Swing Security Screen-Forcefield*
Sample Number:	PP6-4-00024
Frame Size:	1500mm x 900mm
Framing Material:	Treated pine
Constructional Description of Test Security Window Grille:	
Extruded aluminium frame with woven stainless steel mesh infill bonded to the window. Fitted with Roto multipoint locking system with internal handle only.	

Details of Test Window Infill

Type and Fabrication Method:	Stainless steel woven mesh mechanically bonded to the frame
Manufacturer's Name / Part Number:	Forcefield* 141412
<u>Type 1 Mesh Infill (if applicable)</u>	
1) Number of Intersected Strands in a 150mm Circle:	
2) Breaking Force in Shear of One Strand (min 3kN):	
Multiplication of Above Points 1 and 2 (min 30kN):	
<u>Type 3 Mesh Infill (if applicable)</u>	
Material Type and Grade:	Stainless steel 316
Mass per m² (kg):	Not stated
Knife Shear Test:	Test report CER-KS19-001 21/01/2019 by Meshtec

(Above details supplied by customer not by testing authority)

Test Report Security Window Grille

Dynamic Impact Test – AS 5039/5041-2003

Measurement Before Impact Test at Impact Point (datum reading): 10mm			
Test	Remarks	Pass	Fail
Impact One:	10mm deformation	Y	
Impact Two:	13mm deformation	Y	
Impact Three:	13mm deformation	Y	
Impact Four:	30mm deformation and popped out 2 lock bolts	Y	
Impact Five:	30mm deformation no further change. Still secure	Y	
150mm Diameter Probe			
Infill Type Probe test:	Less than 3mm- Pass		

Jemmy Tests – AS 5039/5041-2003

Location	Remarks	Pass	Fail
Centre Locking Point:	N/A		
Bottom Locking Point:	628N was applied with no opening occurring	Y	
Top Locking Point:	575N applied with no opening occurring	Y	
Centre Hinge:	No access could be created for jemmying to occur	Y	
Bottom Hinge	No access could be created for jemmying to occur	Y	
Top Hinge:	No access could be created for jemmying to occur	Y	

Infill Pull Tests – AS 5039/5041-2003

Location	A 450mm Maximum	B 150mm Maximum	C 100x100 mm Maximum	D	E	Pass	Fail
Centre Grille (1.5kN):	N/A						
Horizontal, Locking Point (2.0kN) (Class B,C+D only):							
Top Corner, Lock Side (1.5kN @ 18°):							
Bottom Corner, Lock Side (1.5kN):							
Bottom Non-Locking Corner (1.5kN @ 45° + 18°):							

A - Maximum size of any gap between grille and grill frame or grille frame and door frame under load (dynamic).

B - Maximum size of any gap between grille and grill frame or grille frame and door frame after load (static).

C - The size of any gap caused by the infill breaking away from the security grille framing.

D - Whether the grille remained in a fixed position.

E - Whether the locking device maintained the door in a locked position.

Force Probe Test (type 2 infill material only)**150mm Spherical Probe Test (1.5kN):**

Pass

Fail

Remarks:**Overall Test**

Passed the applicable test clauses of AS5039 and AS5041

Remarks:

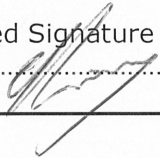
During the impact testing the 2 side latches were exposed. The others remained secure. These exposed side latches were the attack point using the jemmy fixture.

No access was gained and the gap created when checked by gauge, was less than what would trigger a side pull test.

Therefore considered a pass.

This signature indicates that testing has been conducted in accordance to the current AS 5039-2003, and test results reflect the test findings.

Authorised Signature



Print Name/Title C Korvin Test Lab
Manager.....

Date

...20/9/2019.....

Identification Details for Security Window Grille
Submitted for Type Testing in Accordance to AS 5039/5041-2003
(Informative)

General

Model Number / Name:	Security window grille with type 3 infill and multipoint locking to allow the screen to open inwards. Inner lever controlled.	This information to be clearly marked on test window.
Sample Number:	PP6-4-00024	
Manufactured By:	Prowler Proof	
Date of Submission:	18/09/2019	
Description:	Aluminium extrusions used to house the Roto multipoint locking system. The security SS woven mesh infill was mechanically bonded to the frame. An internal handle locked the 6 points.	
DRAWINGS: COMPLETE ATTACHED SHEETS (Figure 1 and 2) (To show additional specific details of door construction such as internal stiffening, hinging, etc., attach further sheets as necessary)		

Framing Section

Type:	Aluminium extrusion		
Manufacturer's- Name:	Prowler Proof	Section Number:	P01-000267& P01-000209
Attached Dimensional Drawing- Number:	P01-000267/P01-000209	Issue:	1
Material Type and Grade:	6060-T5		
Surface Finish:	Machine finish converted and powder coated to Qualicoat standards		
Mass per Metre Length (kg):	0.830kg/m 0.552kg/m		
Mounting Frame Material:	Treated pine		
(Attach drawings if necessary)			

Corner Stake

Type:	None- corners welded														
Manufacturer's- Name:		Section Number:													
Attached Dimensional Drawing- Number:		Issue:													
Material Type and Grade:															
Surface Finish:															
(If a corner stake is not used, describe the method of joining the frames)															
Fastener Details:															
Type:	None														
Part Number:															
Material	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; text-align: center;">Alum</td> <td style="width: 50px; text-align: center;">X</td> </tr> </table>	Alum	X	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; text-align: center;">St.Steel</td> <td style="width: 50px; text-align: center;"></td> </tr> </table>	St.Steel		<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; text-align: center;">Monel</td> <td style="width: 50px; text-align: center;"></td> </tr> </table>	Monel		<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; text-align: center;">Steel</td> <td style="width: 50px; text-align: center;"></td> </tr> </table>	Steel		<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px; text-align: center;">OTHER</td> <td style="width: 50px; text-align: center;"></td> </tr> </table>	OTHER	
Alum	X														
St.Steel															
Monel															
Steel															
OTHER															
Surface Finish:															
Length and Diameter:															

(Attach drawings if necessary)

Mid Rail (If applicable)

Type: N/A			
Manufacturer's-	Name:	Section Number:	
Attached Dimensional Drawing-	Number:	Issue:	
Material Type and Grade:			
Mass per Meter Length (kg):			
Surface Finish:			
Means of Securing to-	Frame:	Weld <input type="checkbox"/>	Screw <input type="checkbox"/>
	Infill:	Weld <input type="checkbox"/>	Screw <input type="checkbox"/>
		Rivet <input type="checkbox"/>	Other <input type="checkbox"/>
		Rivet <input type="checkbox"/>	Other <input type="checkbox"/>

(If means of securing is OTHER, submit full details on a separate sheet)

Weld Details:

Type of Weld and Pattern:

Fastener Details:

Type:

Part Number:

Material

Alum <input type="checkbox"/>	St.Steel <input type="checkbox"/>	Monel <input type="checkbox"/>	Steel <input type="checkbox"/>	OTHER <input type="checkbox"/>
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Surface Finish:

Length and Diameter:

Number Used and Location:

(Attach drawings if necessary)

ocks (If applicable)

Type: (Description of mechanism including cylinder)	Internal handle only, no cylinder, Roto NT multipoint euro locking and strikers		
Manufacturer's-	Name: Geisse/Schlegel and Roto	Part Number: 141419	
Construction Material-	Body: Die cast zinc	Striker: Roto diecast zinc	
Number of Locking Points:	6		
Handle (furniture) Identification:	141419 Flush handle -no key black		
Means of Mounting:	Screw fastening x 2		
Mounting Location:	Indicate on figure 1.		

Infill

Type and Fabrication Method:	Stainless steel woven mesh mechanically bonded to the aluminium frame																			
Manufacturer's-	Name: Forcefield *					Part Number: 141412														
Attached Dimensional Drawing-	Number:					Issue:														
Material Type and Grade:	Stainless steel 316																			
Surface Finish:	Black low sheen																			
Diameter of Type 3 Infill:	0.80mm wire apertures <3mm																			
Means of Securing:	Weld				Screw				Rivet				Other		X					
(If means of securing is OTHER, submit full details on a separate sheet)																				
Weld Details:																				
Type of Weld and Pattern:																				
Fastener Details:																				
Type:																				
Part Number:																				
Material	Alum				St.Steel				Monel				Steel				OTHER			
Surface Finish:																				
Length and Diameter:																				
Number Used and Location:	Indicate on figure 2																			
(Attach drawings if necessary)																				

Hinges (If applicable)

Type:	Roto NT										Number Fitted:									
Manufacturer's-	Name: Roto										Part Number:									
Attached Dimensional Drawing-	Number:										Issue:									
Material Type and Grade-	Leaves: Die cast										Pin: solid									
Surface Finish:																				
Means of Securing:	Weld				Screw		X		Rivet				Other							
Weld Details:																				
Type of Weld and Pattern:																				
Fastener Details:																				
Type:	4.25 x 25mm CSK screws										Part Number: 141421									
Material	Alum				St.Steel				Monel				Steel		X		OTHER			
Surface Finish:	Galvanised																			
Length and Diameter:	25mm																			
Number Used and Location:	See drawing																			
(indicate on figure 1)																				
(Attach drawings if necessary)																				

Track or Build Outs (If applicable)

Type: N/A											
Manufacturer's-	Name: _____										
Attached Dimensional Drawing-	Part Number: _____										
Material Type and Grade:	Number: _____ Issue: _____										
Surface Finish: _____											
Fastener Details:											
Type: _____	Part Number: _____										
Material	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 100px;">Alum</td> <td style="width: 50px;"></td> </tr> </table> <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 100px;">St.Steel</td> <td style="width: 50px;"></td> </tr> </table> <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 100px;">Monel</td> <td style="width: 50px;"></td> </tr> </table> <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 100px;">Steel</td> <td style="width: 50px;"></td> </tr> </table> <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 100px;">OTHER</td> <td style="width: 50px;"></td> </tr> </table>	Alum		St.Steel		Monel		Steel		OTHER	
Alum											
St.Steel											
Monel											
Steel											
OTHER											
Surface Finish: _____											
Length and Diameter: _____											
Number Used and Location: _____											
(indicate on figure 1) (Attach drawings if necessary)											

Interlock (If applicable)

Type: N/A											
Manufacturer's-	Name: _____										
Attached Dimensional Drawing-	Part Number: _____										
Material Type and Grade:	Number: _____ Issue: _____										
Surface Finish: _____											
Fastener Details:											
Type: _____	Part Number: _____										
Material	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 100px;">Alum</td> <td style="width: 50px;"></td> </tr> </table> <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 100px;">St.Steel</td> <td style="width: 50px;"></td> </tr> </table> <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 100px;">Monel</td> <td style="width: 50px;"></td> </tr> </table> <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 100px;">Steel</td> <td style="width: 50px;"></td> </tr> </table> <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 100px;">OTHER</td> <td style="width: 50px;"></td> </tr> </table>	Alum		St.Steel		Monel		Steel		OTHER	
Alum											
St.Steel											
Monel											
Steel											
OTHER											
Surface Finish: _____											
Length and Diameter: _____											
Number Used and Location: _____											
(indicate on figure 1) (Attach drawings if necessary)											

Rollers (If applicable)

Type: N/A	
Manufacturer's-	Name: _____
Attached Dimensional Drawing-	Part Number: _____
Number Used and Location:	Number: _____ Issue: _____
(indicate on figure 1) (Attach drawings if necessary)	

**Manufactured
By:**
**Sample
Number:**

Prowler Proof

PP6-4-00024

Location of Fixing Points, Locking Points, Hinges and Mid-Rail.**All Dimensions in Millimetres.**

900

X

1500

X

Figure 1

**Manufactured
By:**
**Sample
Number:**

Prowler Proof

PP6-4-00024

Means of Securing Infill to Framing, Location of Welds / Fasteners

All Dimensions in Millimetres.

Mechanically bonded all around internal
perimeter

X

X

X

Figure 2



FILE NAME: PP6-4-00024.idw © THIS DRAWING AND ITS CONTENTS ARE CONFIDENTIAL AND ARE SUBJECT TO RETURN ON DEMAND AND MAY NOT BE COPIED OR DISCLOSED TO A

