

ASSA ABLOY AUSTRALIA
235 Huntingdale Rd
Oakleigh, VIC 3166

TEST REPORT (5542)

Sliding Security Screen Door

FOR

(Gershwin-Prowler Proof)



NATA Accredited Laboratory
Accreditation No.: 14812

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

Accredited for compliance with ISO/IEC
17025

Date of Issue: 11/11/2016

Test Report Sliding Security Screen Door

Test Report Number:	5542	PAM Number:	
Manufactured By:	Prowler Proof	Date of Submission:	
Tested By:	D Gough	Date:	10/11/2016
Certified By:	C Korvin	Date:	10/11/2016
Witnessed By:	A How	Date:	10/11/2016

Details of Test Door

Type:	Sliding security screen door with fixed laminated glass panel
Make or Model:	Trend Synergy FX Protec 2016
Sample Number:	P10-000146
Frame Size:	2000 W x 2200mm H
Framing Material:	Treated pine
Constructional Description of Test Security Sliding Door: Prowler Proof Protec Sliding Security door-set within a Trend Synergy frame with fixed glass panel and PP/Trend interlocks. See drawings attached	

Details of Test door Infill

Type and Fabrication Method:	Perforated Aluminium sheet
Manufacturer's Name / Part Number:	Prowler Proof
<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:	Aluminium 1.6mm thick with 2.5mm holes
Mass per m ² (kg):	Not given
Knife Shear Test:	Yes : Azuma AZT-0304-14 14/10/2014

(Above details supplied by customer not by testing authority)

Test Report
Sliding Security Screen Door
 Test Rig # S-003.

Dynamic Impact Test – AS 5039/5041-2003

Measurement Before Impact Test at Impact Point (datum reading): 14mm			
Test	Remarks	Pass	Fail
Impact One:	14mm dish shape deformation	Y	
Impact Two:	16mm dish shape deformation	Y	
Impact Three:	18mm dish shape deformation	Y	
Impact Four:	18mm dish shape deformation	Y	
Impact Five:	18mm dish shape deformation	Y	
150mm Diameter Probe test using R.M.F:			
Infill Type Probe test:	Passes the <3mm requirement		

Jemmy Tests – AS 5039/5041-2003

Location	Remarks	Pass	Fail
Centre Locking Point:	1,116N- load-Lock members and extrusion held	Y	
Bottom Locking Point:	694N -Slave lock distorted and partially pulled out of door but held	Y	
Top Locking Point:	714N- Slave lock distorted and partially pulled out of door but held	Y	

Infill Pull Tests – AS 5039/5041-2003

Location	A 450mm Maximum	B 150mm Maximum	C 100x100mm Maximum	D	E	Pass	Fail
Horizontal, Locking point (2.0kN):							
Centre of Infill (1.5kN):							
Centre of Locking side (1.5kN):							
Centre of Non-Locking Side (1.5kN):							
Top Rail Centre (1.5kN @ 18°):							
Bottom Rail Centre (2.0 kN):							
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.


150mm Spherical Probe Test (1.5kN):	Pass		Fail	
Remarks: _____				

Overall Test Passes the requirements of AS5030/41

Remarks: The total system withheld the impact and jemmy tests. No access points for a pull test created.

The interlock system with the glass panel was deemed passable with regards to the jemmy test, as there were no adequate leverage points obtained.

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 C KORVIN Date 11/11/2016
(Refer WE176)

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

General

Model Number / Name:	Trend Synergy FX Protec 2016	
Sample Number:	P10-000146	This information to be clearly marked on test door.
Manufactured By:	Prowler Proof	
Date of Submission:	10/11/2016	
Description:	Prowler Proof Protec sliding security door-set within a Trend Synergy frame with fixed glass panel and PP/Trend interlocks See Drwg P10-000146 and attached sheets.	
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:	Extruded aluminium	
Manufacturer's-	Name: Prowler Proof	Section Number: FFD19
Attached Dimensional Drawing-	Number:	Issue:
Material Type and Grade:	Aluminium 6060-T5	
Surface Finish:	Powder coated	
Mass per Metre Length (kg):		
Mounting Frame Material:	See P10-000146	
(Attach drawings if necessary)		

Corner Stake

Type:	N/A	
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:		
Part Number:		
Material	<input type="checkbox"/> Alum <input type="checkbox"/> St.Steel <input type="checkbox"/> Monel <input type="checkbox"/> Steel <input type="checkbox"/> 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-	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Frame:</td> <td>Weld</td> <td></td> <td>Screw</td> <td></td> <td>Rivet</td> <td></td> <td>Other</td> <td></td> </tr> <tr> <td>Infill:</td> <td>Weld</td> <td></td> <td>Screw</td> <td></td> <td>Rivet</td> <td></td> <td>Other</td> <td></td> </tr> </table>	Frame:	Weld		Screw		Rivet		Other		Infill:	Weld		Screw		Rivet		Other	
	Frame:	Weld		Screw		Rivet		Other											
Infill:	Weld		Screw		Rivet		Other												
(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	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Alum</td> <td></td> <td>St.Steel</td> <td></td> <td>Monel</td> <td></td> <td>Steel</td> <td></td> <td>OTHER</td> <td></td> </tr> </table>	Alum		St.Steel		Monel		Steel		OTHER									
Alum		St.Steel		Monel		Steel		OTHER											
Surface Finish: _____																			
Length and Diameter: _____																			
Number Used and Location: _____																			
(Attach drawings if necessary)																			

Locks

Type: (Description of mechanism including cylinder)	Lockwood 8653 Triple point security door with Lockwood anti-drill Euro 5 pin cylinder		
Manufacturer's-	Name: ASSA ABLOY	Part Number: 8653	
Construction Material-	Body: Zinc Diecast	Striker: S/Steel	
Number of Locking Points:	3		
Handle (furniture) Identification:	8653 lock furniture		
Means of Mounting:	As per manufacturer's instructions		
Mounting Location:	Indicate on figure 1.		

Infill

Type and Fabrication Method:	Perforated Aluminium mesh sheet			
Manufacturer's-	Name:	Prowler Proof	Part Number:	Al Mesh BK
Attached Dimensional Drawing-	Number:	See Shear test sheet	Issue:	
Material Type and Grade:	1.6mm aluminium with 2.5mm holes			
Surface Finish:	Powder coated			
Diameter of Type 3 Infill:				
Means of Securing:	<input type="checkbox"/> Weld	<input type="checkbox"/> Screw	<input type="checkbox"/> Rivet	<input checked="" type="checkbox"/> Other
(If means of securing is OTHER, submit full details on a separate sheet)				
Weld Details:				
Type of Weld and Pattern:				
Fastener Details:				
Type:	Bonded-every contact point		Part Number:	See drawing
Material	<input type="checkbox"/> Alum	<input type="checkbox"/> St.Steel	<input type="checkbox"/> Monel	<input type="checkbox"/> Steel
Surface Finish:	N/A			
Length and Diameter:	Full perimeter of door mesh contact point			
Number Used and Location:	Indicate on figure 2			
(Attach drawings if necessary)				

Track or Build Outs

Type:	Trend Head Track AL6060-T5 Trend Sill Track AL6060-T5			
Manufacturer's-	Name:		Part Number:	Head- D048 Sill -D200H
Attached Dimensional Drawing-	Number:	See P10-000146	Issue:	
Material Type and Grade:	Aluminium 6060-T5			
Surface Finish:	Powder coated			
Fastener Details:				
Type:	ASS Pan head AW20		Part Number:	
Material	<input type="checkbox"/> Alum	<input type="checkbox"/> St.Steel	<input type="checkbox"/> Monel	<input checked="" type="checkbox"/> Steel
Surface Finish:	Zinc plated			
Length and Diameter:	4.5 x 25mm			
Number Used and Location:	See attached drwg			
(Attach drawings if necessary)				

Interlock

Type: Interlock-A & Mullion											
Manufacturer's-	Name: Prowler Proof Part Number: P01-000180 P01-000182										
Attached Dimensional Drawing-	Number: P10-000146 Issue:										
Material Type and Grade:	AL6060-T5										
Surface Finish:	Powder coated										
<u>Fastener Details:</u>											
Type: Zebra PIAS-Pan head AW20 4.2 x 22mm	Part Number:										
Material <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>Alum</td> <td></td> </tr> </table> <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>St.Steel</td> <td>X</td> </tr> </table> <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>Monel</td> <td></td> </tr> </table> <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>Steel</td> <td></td> </tr> </table> <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>OTHER</td> <td></td> </tr> </table>	Alum		St.Steel	X	Monel		Steel		OTHER		
Alum											
St.Steel	X										
Monel											
Steel											
OTHER											
Surface Finish:	Stainless steel										
Length and Diameter:	4.2 x 22mm long										
Number Used and Location:	See attached drwg										
(Attach drawings if necessary)											

Rollers

Type: Speed Fit Offset roller	
Manufacturer's-	Name: Lincoln Sentry Part Number: 3305206
Attached Dimensional Drawing-	Number: Issue:
Number Used and Location:	\$- 2 Top and 2 bottom See P10-000146
(Attach drawings if necessary)	

Lock Stile Receiver Channel

Type: SLD DR Jamb AL6060 T5 P/coated	
Manufacturer's-	Name: Trend Part Number: D003

Manufactured By: Prowler Proof

Sample Number: P10-000146

Size of Door and Location of Locking Points, Rollers and Mid-Rail.

All Dimensions in Millimetres.

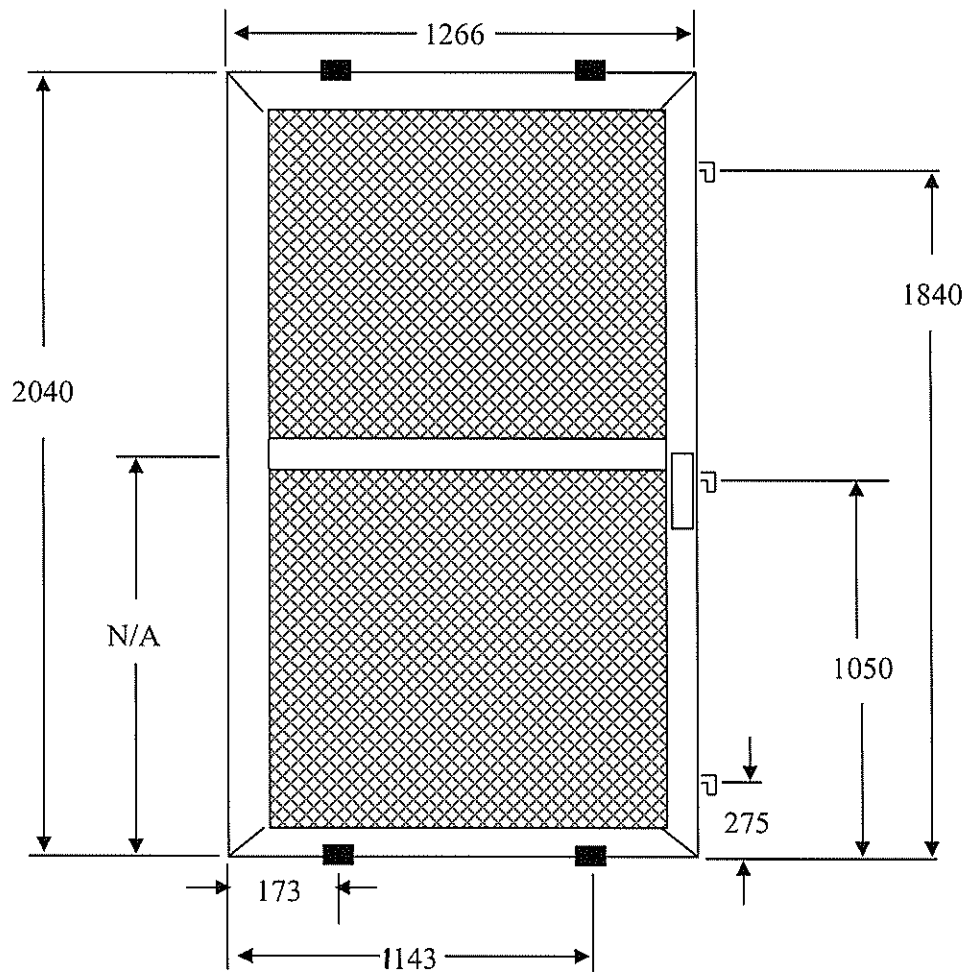
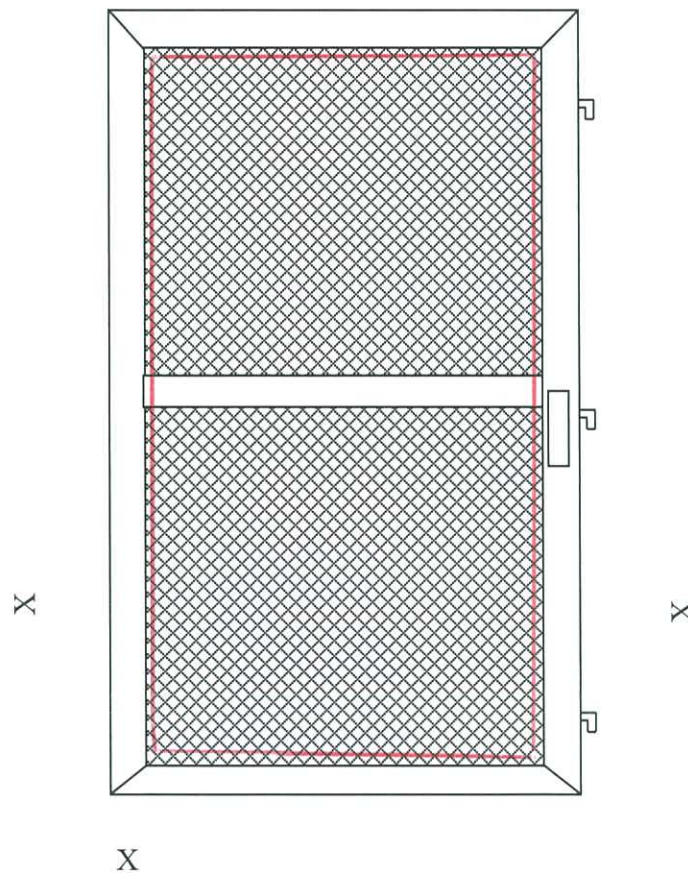


Figure 1

Manufactured By: Prowler Proof**Sample Number:** P10-000146**Means of Securing Infill to Framing, Location of Welds / Fasteners****All Dimensions in Millimetres.**Bonded around perimeter at all
contact points**Figure 2**