

ASSA ABLOY AUSTRALIA
235 Huntingdale Rd
Oakleigh, VIC 3166

TEST REPORT (5517)

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: 27/10/2016

Test Report
Sliding Security Screen Door

Test Report Number: 5517	PAM Number:
Manufactured By: Prowler Proof	Date of Submission: 20/10/2016
Tested By: D Gough	Date: 20/10/2016
Certified By: C Korvin	Date: 20/10/2016
Witnessed By: A How	Date: 20/10/2016

Details of Test Door

Type:	Sliding security screen door with a fixed laminated glass panel
Make or Model:	Prowler Proof ForceField Sliding Security door-set within a Trend Synergy frame with a fixed glass panel and PP/Trend interlocks
Sample Number:	P01-000177
Frame Size:	2000 W x 2195mm H
Framing Material:	Treated pine surrounding AL 6060 T5 extrusions
Constructional Description of Test Security Sliding Door:	
Aluminium section with woven stainless steel mesh infill. Also fitted, a fixed laminated glass panel. See Drwg P01-000177	

Details of Test door Infill

Type and Fabrication Method:	Woven stainless steel mesh
Manufacturer's Name / Part Number:	Meshtec International SS mesh BK
<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:	316 Stainless steel (0.8mm wire diameter)
Mass per m² (kg):	Not given. 11/105 strands per square inch
Knife Shear Test:	Yes. Meshtec Cert-11-032-KS 25 May 2012

(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):15mm		Pass	Fail
Test	Remarks		
Impact One:	14mm deformation	Y	
Impact Two:	16mm deformation	Y	
Impact Three:	19mm deformation	Y	
Impact Four:	20mm deformation	Y	
Impact Five:	21mm deformation	Y	
150mm Diameter Probe test using R.M.F:			
Infill Type Probe test:	Yes < 3mm Pass		

Jemmy Tests – AS 5039/5041-2003

Location	Remarks	Pass	Fail
Centre Locking Point:	850N broke a strike screw, Lock OK . Door held	Y	
Bottom Locking Point:	793N hook-bolt snapped. Door still held	Y	
Top Locking Point:	458N Distorted slave lock. Door still held. Gap created still less than 15 x 90 gauge check	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.

Force Probe Test (type 2 infill material only)

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

Overall Test Passes the requirements of AS5039/41

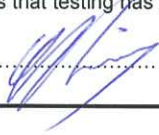
Remarks: The mesh door had minor deformation after the impact tests.

The door resisted the jemmy attack and remained secure.

The glass panel wasn't damaged.

The interlocks were deemed secure and the system didn't offer any jemmy attack points that could offer a decent purchase for leverage.

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 <u>C KORVIN</u>	Date <u>27/10/2016</u>
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(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 FF 2016	
Sample Number:	P01-000177	This information to be clearly marked on test door.
Manufactured By:	Prowler Proof	
Date of Submission:	20/10/2016	
Description:	Prowler Proof ForceField sliding security door-set within a Trend Synergy frame with fixed glass panel and PP/Trend interlocks.	
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 attached drawing		
(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	Alum	St.Steel	Monel	Steel	OTHER
Surface Finish:					
Length and Diameter:					
(Attach drawings if necessary)					

Infill

Type and Fabrication Method: Woven stainless steel mesh											
Manufacturer's-	Name: Meshtec International Part Number: SS Mesh BK										
Attached Dimensional Drawing-	Number: See attached shear test Issue:										
Material Type and Grade: 0.8mm 316 stainless steel											
Surface Finish: Powder coated											
Diameter of Type 3 Infill: 0.8mm											
Means of Securing:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px;">Weld</td> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 50px;">Screw</td> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 50px;">Rivet</td> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 50px;">Other</td> <td style="width: 20px;"><input checked="" type="checkbox"/></td> </tr> </table>	Weld	<input type="checkbox"/>	Screw	<input type="checkbox"/>	Rivet	<input type="checkbox"/>	Other	<input checked="" type="checkbox"/>		
Weld	<input type="checkbox"/>	Screw	<input type="checkbox"/>	Rivet	<input type="checkbox"/>	Other	<input checked="" type="checkbox"/>				
(If means of securing is OTHER, submit full details on a separate sheet)											
<u>Weld Details:</u>											
Type of Weld and Pattern: N/A											
<u>Fastener Details:</u>											
Type: Bonded- every contact point	Part Number: See drawing										
Material	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px;">Alum</td> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 50px;">St.Steel</td> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 50px;">Monel</td> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 50px;">Steel</td> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 50px;">OTHER</td> <td style="width: 20px;"><input checked="" type="checkbox"/></td> </tr> </table>	Alum	<input type="checkbox"/>	St.Steel	<input type="checkbox"/>	Monel	<input type="checkbox"/>	Steel	<input type="checkbox"/>	OTHER	<input checked="" type="checkbox"/>
Alum	<input type="checkbox"/>	St.Steel	<input type="checkbox"/>	Monel	<input type="checkbox"/>	Steel	<input type="checkbox"/>	OTHER	<input checked="" type="checkbox"/>		
Surface Finish: N/A											
Length and Diameter: Full perimeter of door/ mesh contact											
Number Used and Location: Indicate on figure 2											
(Attach drawings if necessary)											

Track or Build Outs

Type: Trend Head Track-AL 6060 T5 Trend Sill Track- AL 6060 T5											
Manufacturer's-	Name: Part Number: Head-D048 Sill- D200H										
Attached Dimensional Drawing-	Number: See P01-000177 Issue:										
Material Type and Grade: AL 6060-T5											
Surface Finish: Powder coat											
<u>Fastener Details:</u>											
Type: ASS Pan head AW20	Part Number:										
Material	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 50px;">Alum</td> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 50px;">St.Steel</td> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 50px;">Monel</td> <td style="width: 20px;"><input type="checkbox"/></td> <td style="width: 50px;">Steel</td> <td style="width: 20px;"><input checked="" type="checkbox"/></td> <td style="width: 50px;">OTHER</td> <td style="width: 20px;"><input type="checkbox"/></td> </tr> </table>	Alum	<input type="checkbox"/>	St.Steel	<input type="checkbox"/>	Monel	<input type="checkbox"/>	Steel	<input checked="" type="checkbox"/>	OTHER	<input type="checkbox"/>
Alum	<input type="checkbox"/>	St.Steel	<input type="checkbox"/>	Monel	<input type="checkbox"/>	Steel	<input checked="" type="checkbox"/>	OTHER	<input type="checkbox"/>		
Surface Finish: Zinc plated											
Length and Diameter: 4.5 x 25mm long											
Number Used and Location: See attached drawing											
(Attach drawings if necessary)											

Interlock

Type:	Interlock-A & Mullion		
Manufacturer's-	Name:	Prowler Proof	Part Number: P01-000180 P01-000182
Attached Dimensional Drawing-	Number:	P01-000177	Issue:
Material Type and Grade:	AL 6060-T5		
Surface Finish:	Powder coated		
<u>Fastener Details:</u>			
Type:	ZEBRA PIAS Pan head AW20 4.2 x 16mm		Part Number:
Material	Alum <input type="checkbox"/>	St. Steel <input checked="" type="checkbox"/>	Monel <input type="checkbox"/> Steel <input type="checkbox"/> OTHER <input type="checkbox"/>
Surface Finish:	Stainless steel		
Length and Diameter:	4.2mm diameter x 22mm long		
Number Used and Location:	See attached drawing		
(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:	4 (2 top and 2 bottom) See P01-000177		
(Attach drawings if necessary)			

Lock Stile Receiver Channel

Type:	SLD DR Jamb AL 6060-T5 Powder coated		
Manufacturer's-	Name:	Trend	Part Number: D003

Manufactured By: See P01-000177 Prowler Proof

Sample Number:

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

All Dimensions in Millimetres.

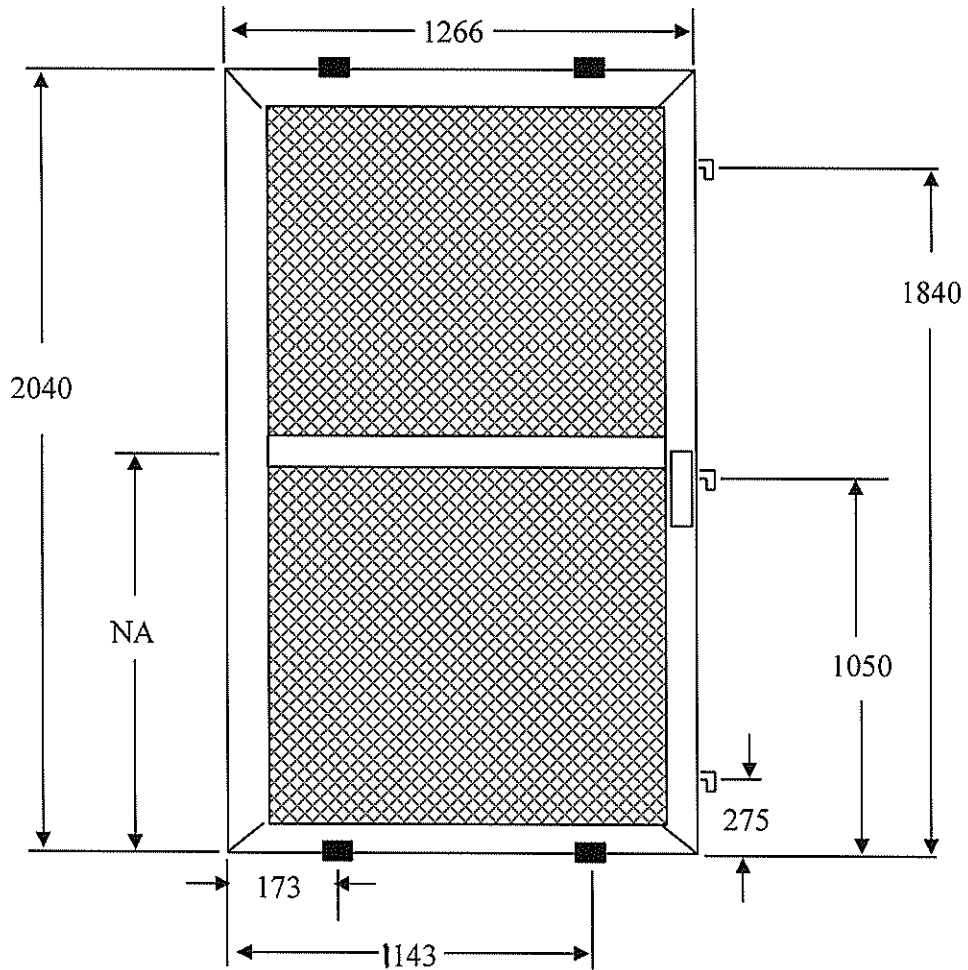


Figure 1

Manufactured By: Prowler Proof /See P01-000177

Sample Number: _____

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

All Dimensions in Millimetres.

Bonded around perimeter at all contact points

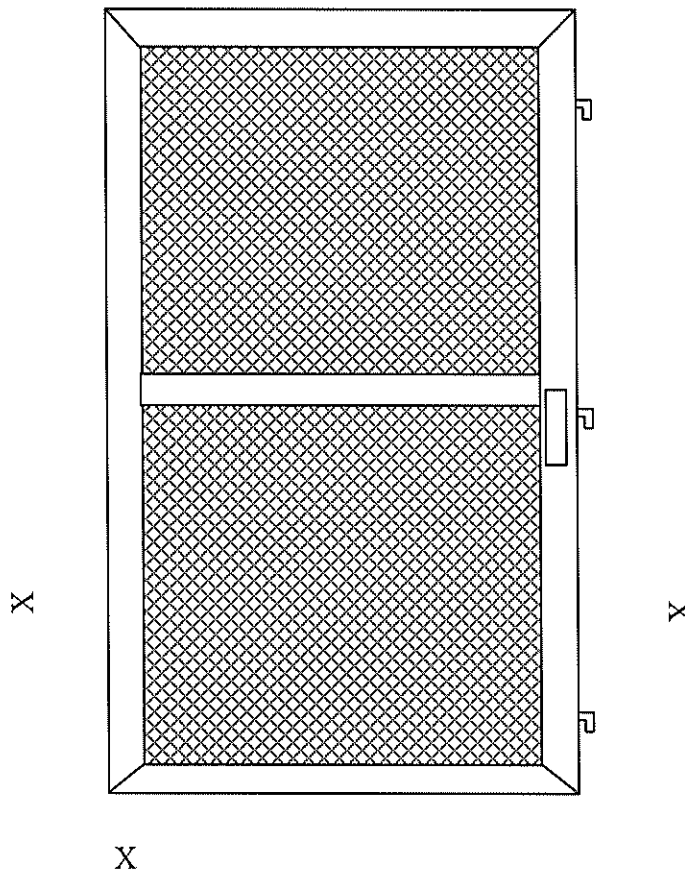


Figure 2