

ASSA ABLOY AUSTRALIA

TEST REPORT 2012059-8

**Welded
Sliding Security Screen Door (Large Diamond)
Sample Number – 145984-2**

FOR

Prowler Proof



NATA Accredited Laboratory
Number: 14426

Accredited for compliance with ISO/IEC
17025

Date of issue: 12/09/2012

Test Report Sliding Security Screen Door			
Test Report Number:	2012059-8	Project Number:	10541
Manufactured By:	Prowler Proof	Date of Submission:	18/09/2012
Tested By:	A Sterrenberg and C Horton	Date:	18/09/2012
Certified By:	A Sterrenberg	Date:	18/09/2012
Witnessed By:	Michael Henry	Date:	18/09/2012

Details of Test Door

Type:	Sliding security screen door
Make or Model:	Welded – Large diamond
Sample Number:	145984-2
Frame Size:	2040mm x 1260mm
Framing Material:	Pinus Radiata
Constructional Description of Test Security Sliding Door:	
Sliding security screen door with infill welded to frame. Frame corners welded	

Details of Test door Infill

Type and Fabrication Method:	Extruded and expanded aluminium diamond grille
Manufacturer's Name / Part Number:	Prowler Proof – PPLD127
<u>Type 1 Infill</u>	
1) Number of Intersected Strands in a 150mm Circle:	8
2) Breaking Force in Shear of One Strand (min 3kN):	4.93
Multiplication of Above Points 1 and 2 (min 30kN):	39.50

(Above details supplied by customer not by testing authority)

**Test Report
Sliding Security Screen Door**

Dynamic Impact Test – AS 5039/5041

Measurement Before Impact Test at Impact Point (datum reading):		Pass	Fail
Test	Remarks		
Impact One:	Grille secure in frame.	Ü	-
Impact Two:	Grille secure in frame.	Ü	-
Impact Three:	Grille secure in frame.	Ü	-
Impact Four:	Grille secure in frame.	Ü	-
Impact Five:	Grille secure in frame.	Ü	-
150mm Diameter Probe test using R.M.F:	-	Ü	-
Probe test:	-	Ü	-

Jemmy Tests – AS 5039/5041

Location	Remarks	Pass	Fail
Centre Locking Point:	Locking point secure.	Ü	-
Bottom Locking Point:	Locking point secure.	Ü	-
Top Locking Point:	Locking point secure.	Ü	-

Infill Pull Tests – AS 5039/5041

Location	A 450mm Maximum	B 150mm Maximum	C 100x100mm Maximum	D	E	Pass	Fail
Horizontal, Locking point (2.0kN):	Ü	Ü	Ü	Ü	Ü	Ü	-
Centre of Infill (1.5kN):	Ü	Ü	Ü	Ü	Ü	Ü	-
Centre of Locking side (1.5kN):	Ü	Ü	Ü	Ü	Ü	Ü	-
Centre of Non-Locking Side (1.5kN):	Ü	Ü	Ü	Ü	Ü	Ü	-
Top Rail Centre (1.5kN @ 18°):	Ü	Ü	Ü	Ü	Ü	Ü	-
Bottom Rail Centre (2.0 kN):	Ü	Ü	Ü	Ü	Ü	Ü	-
Bottom Non-Locking Corner (1.5kN @ 45° + 18°):	Ü	Ü	Ü	Ü	Ü	Ü	-

- 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) N/A

Overall Test **Pass**

Remarks:

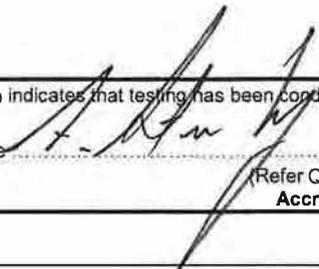
Impact test – Pass.

Jemmy tests – Pass

Pull tests – 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

A. Sterenberg

Date

12/09/12

(Refer QP4.1.2.2.1 "Position Requirements Procedure")
Accredited for compliance with ISO/IEC 17025



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

General

Model Number / Name:	Welded LD
Sample Number:	145984-2
Manufactured By:	Gershwin Pty Ltd trading as Prowler Proof
Date of Submission:	11/09/12
Description:	Sliding security screen door
DRAWINGS: COMPLETE ATTACHED SHEETS	
(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:	STD
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 CAD drawings		
(Attach drawings if necessary)			

Corner Stake – N/A – Welded Corners

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: Cast Zinc	Striker:	Stainless steel
Number of Locking Points:	Three (3)		
Handle (furniture) Identification:	8653 Escutcheon and lever		
Means of Mounting:	As per attached instruction		
Mounting Location:	See attached CAD drawings		

Infill

Type and Fabrication Method:	Large Diamond Grille										
Manufacturer's-	Name: Prowler Proof	Part Number:	PPLD127								
Attached Dimensional Drawing-	Number: -	Issue:	-								
Material Type and Grade:	Aluminium 6063-T5										
Surface Finish:	Powder coated										
Diameter of Type 3 Infill:	See attached										
Means of Securing:	<table border="1"><tr><td>Weld</td><td>P</td><td>Screw</td><td></td><td>Rivet</td><td></td><td>Other</td><td></td></tr></table>	Weld	P	Screw		Rivet		Other			
Weld	P	Screw		Rivet		Other					
(If means of securing is OTHER, submit full details on a separate sheet)											
<u>Weld Details:</u>											
Type of Weld and Pattern:	Welded – double welded in corners then every second contact point										

Track

Type:	Sill Track – AL6060T5 Head track – 25x25mm AL6060T5												
Manufacturer's-	Name: -	Part Number:	Sill – 100100 Head - 100225										
Attached Dimensional Drawing-	Number: AS5039-SLLD SD2001	Issue:	11/11/2012										
Material Type and Grade:	Aluminium 6060t5												
Surface Finish:	Powdercoat												
<u>Fastener Details:</u>													
Type:	Assy Pan Head AW20 4.5x25mm	Part Number:											
Material	<table border="1"><tr><td>Alum</td><td></td><td>St.Steel</td><td></td><td>Monel</td><td></td><td>Steel</td><td>X</td><td>OTHER</td><td></td></tr></table>	Alum		St.Steel		Monel		Steel	X	OTHER			
Alum		St.Steel		Monel		Steel	X	OTHER					
Surface Finish:	Zn plate												
Length and Diameter:	4.5x25mm												
Number Used and Location:	See attached CAD drawings												
(Attach drawings if necessary)													

Interlock

Type:	Interlock HD 3mm		
Manufacturer's-	Name: -	Part Number:	102387
Attached Dimensional Drawing-	Number: AS5039-SLLD SD1000	Issue:	11/11/2012
Material Type and Grade:	AL6060 T5		
Surface Finish:	Powdercoat		
<u>Fastener Details:</u>			
Type:	Tapping screw DIN ISO 7049 - ST3,5 x 25 - C - Z	Part Number:	100641

ASSY-Pan Head AW20 4.5x25mm

Material	Alum		St.Steel		Monel		Steel		OTHER	
Surface Finish:	-									
Length and Diameter:	3.5x25mm / 4.5x25mm									
Number Used and Location:	See attached									
(Attach drawings if necessary)										

Rollers

Type:	Speed Fit off set roller									
Manufacturer's-	Name: Lincoln Sentry			Part Number: 3305206						
Attached Dimensional Drawing-	Number: -			Issue: -						
Number Used and Location:	4 total, 2 top and 2 bottom									
(Attach drawings if necessary)										

Lock Stile Receiver Channel

Type:	U Channel – 25x20mm									
Manufacturer's-	Name: -			Part Number: 100188						
Attached Dimensional Drawing-	Number: AS5039-WDLD SD1000			Issue: 11/11/2012						
Material Type and Grade:	AL6060 T5									
Surface Finish:	Mill									

Manufactured By: Prowler Proof

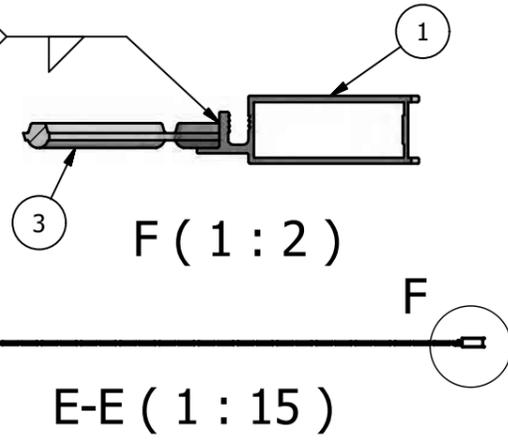
Sample Number: 145984-2

Size of Door and Location of Locking Points, Rollers and Mid-Rail – See attached CAD drawing WDL D - Sliding Door Testing Sample

Means of Securing Infill to Framing, Location of Welds / Fasteners - See attached CAD drawing WDL D - Sliding Door Testing Sample

End

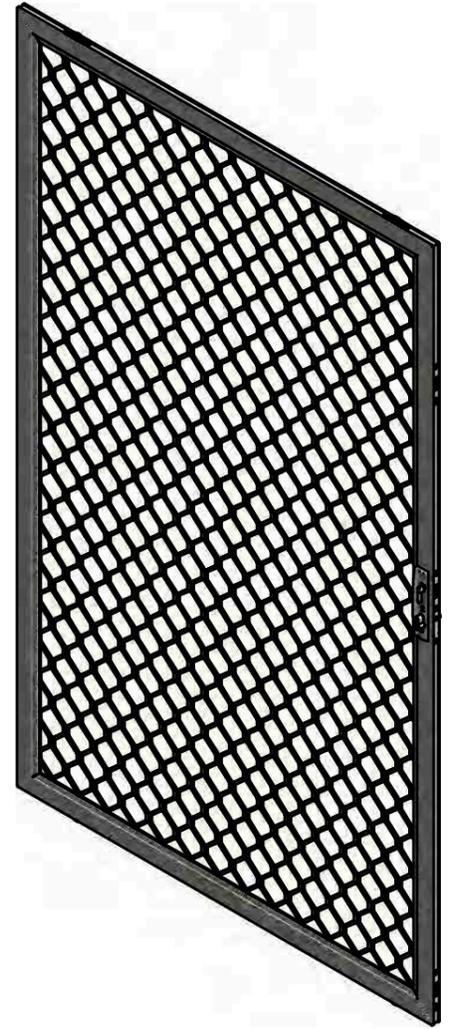
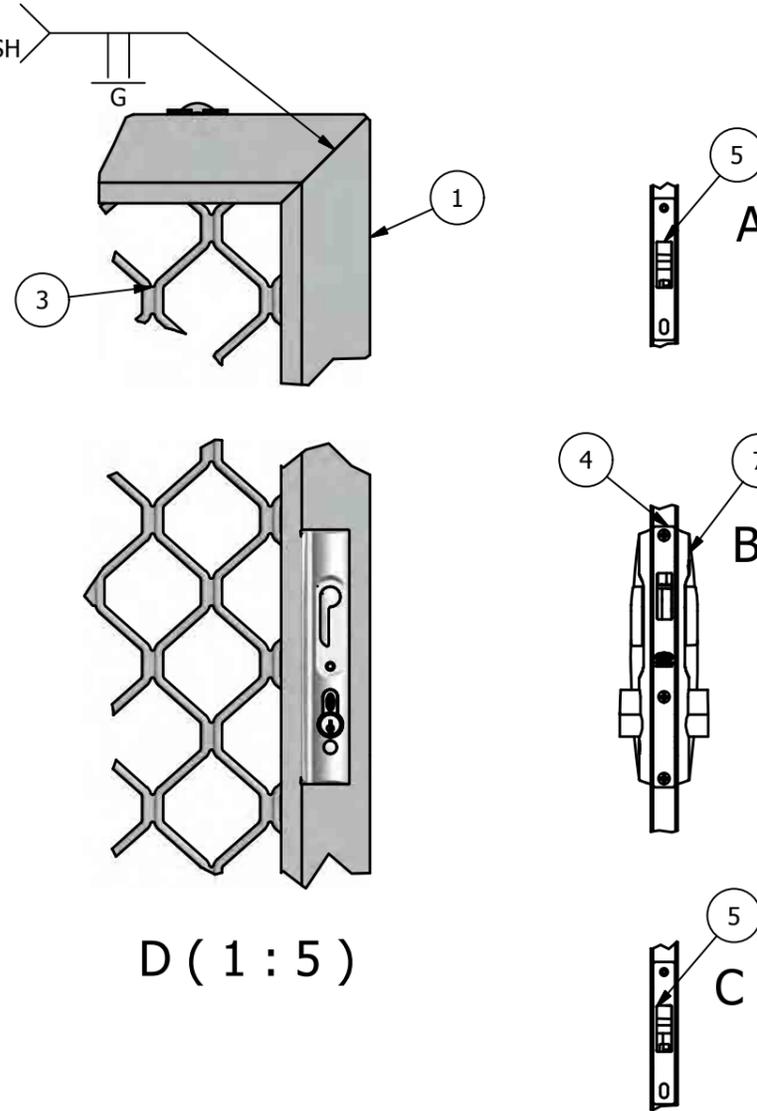
Double welded in corners,
then every second contact point.



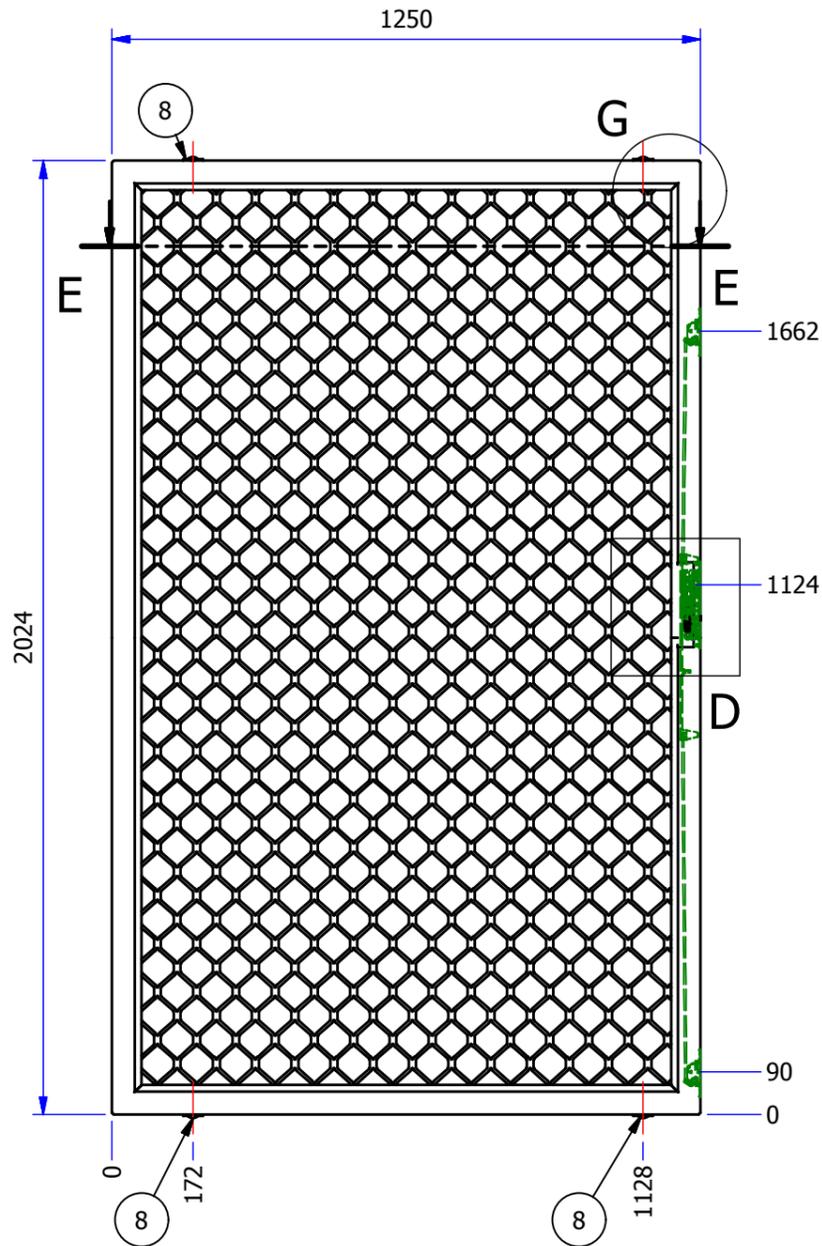
BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	STOCK NO./DESC.	MATERIAL	LENGTH	WIDTH
1	6	STD 5800mm MF	100001	Al 6060 T5		
3	1	LD 1250x2450 MF	102561	AL 6063 T5	1911	1137
4	1	102424 Lockwood - 8653 Lock Body	102424	Generic		
5	2	Lockwood 8653 Auxiliary Lock	102532	Generic		
6	1	Lockwood - 8653 Connecting Bar (Rods)	102168	Generic		
7	1	Lockwood - 8653 Furniture Pack - Black	102165	Generic		
8	4	Speed Fit - Offset SSteel Roller	100712	Generic		

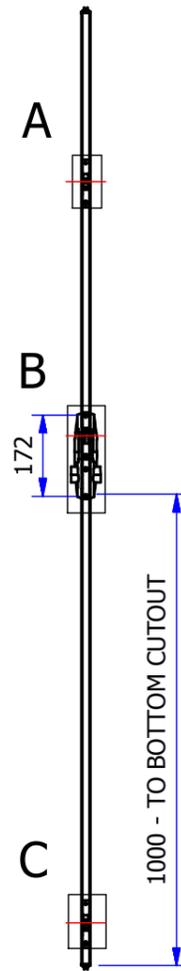
WELDED &
GROUND FLUSH



ISOMETRIC VIEW



FRONT VIEW 1



D (1:5)

Prowler Proof

GERSHWIN PTY LTD
122 BUCHANAN RD
BANYO, QLD. 4014
PH: +61 7 3363 0666
FAX: +61 7 3267 5411

DRAWN CAD	DATE 15/11/2012	TITLE: AS5039 - Testing		PROCESS CODE:
CHECKED	DATE	WDL - Welded Large Diamond Sliding Door		SHEET 1 OF 1
APPR.	DATE	PART NUMBER: AS5039-WDLL SD2001	DRAWING DOCUMENT FILE NAME: AS5039-WDLL SD2001.idw	SCALE NTS
RAW MATERIAL	MATERIAL THICKNESS	STOCK NUMBER / DESCRIPTION AS5039-WDLL SD2001	MODEL DOCUMENT FILE NAME: AS5039-WDLL SD2001.ipt	REV.

* THIS DRAWING AND ITS CONTENTS ARE CONFIDENTIAL AND ARE SUBJECT TO RETURN ON DEMAND AND MAY NOT BE COPIED OR DISCLOSED TO ANY THIRD PARTY OR USED DIRECTLY OR INDIRECTLY FOR ANY OTHER PURPOSE THAN AS EXPRESSLY DETERMINED IN WRITING BY Gershwin Pty. Ltd.

UNLESS OTHERWISE SPECIFIED
XX = ± 1mm
X.X = ± 0.5mm
XX.XX = ± 0.25mm

ALL DIMENSIONS IN MILLIMETERS
ALL THREADS TO BE METRIC COARSE
ALL WELDS TO AS1554
ALL BURRS AND SHARP EDGES TO BE REMOVED

PROJECTION
3RD ANGLE

DO NOT SCALE DRAWING

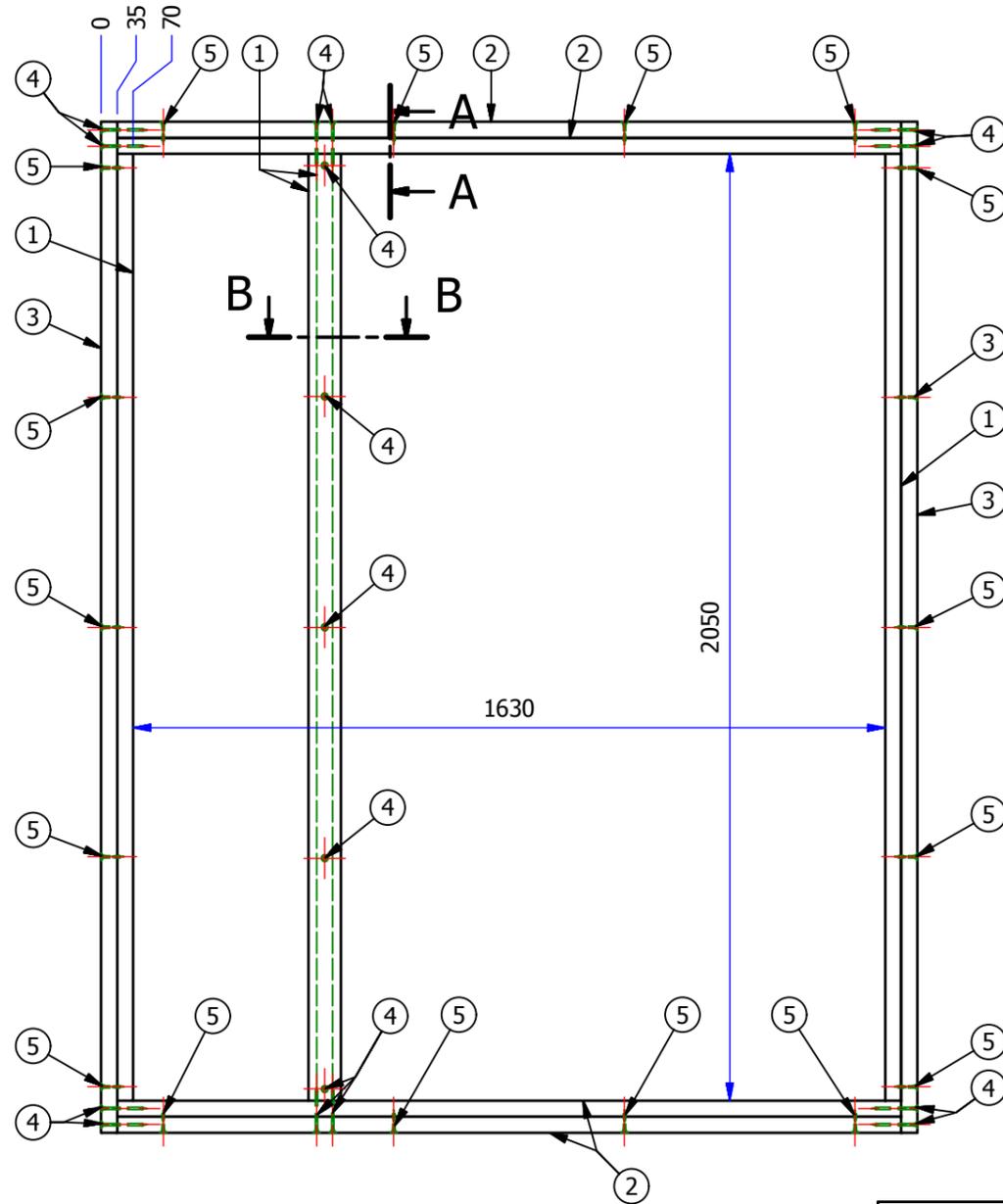
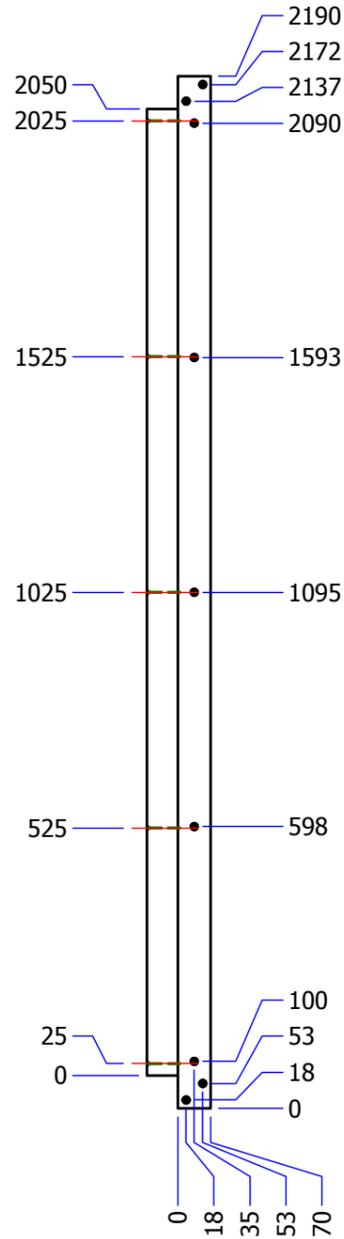
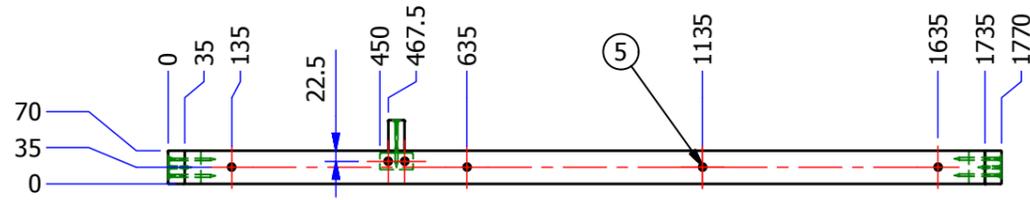
WEIGHT: 11.99 kg

SHEET SIZE: A3 INV.

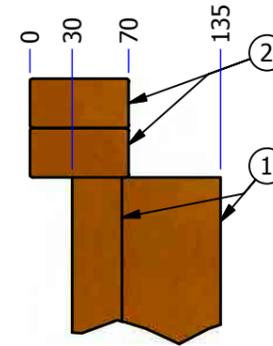
REV. No	REVISION DESCRIPTION	DRAWN	DATE	APP. BY	DATE
REVISION HISTORY					

BILL OF MATERIALS

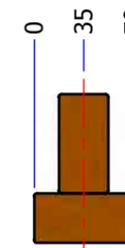
ITEM	QTY	DESCRIPTION	STOCK NO./DESC.	MATERIAL	LENGTH	WIDTH
1	4	Pine Stud 70x35		Pine	2050	35
2	4	Pine Stud 70x35		Pine	1700	35
3	2	Pine Stud 70x35		Pine	2190	35
4	17	Bugle Head Batten Screw 14gx100mm		Steel, Mild	100	
5	18	Bugle Head Batten Screw 14gx50mm		Steel, Mild	50	



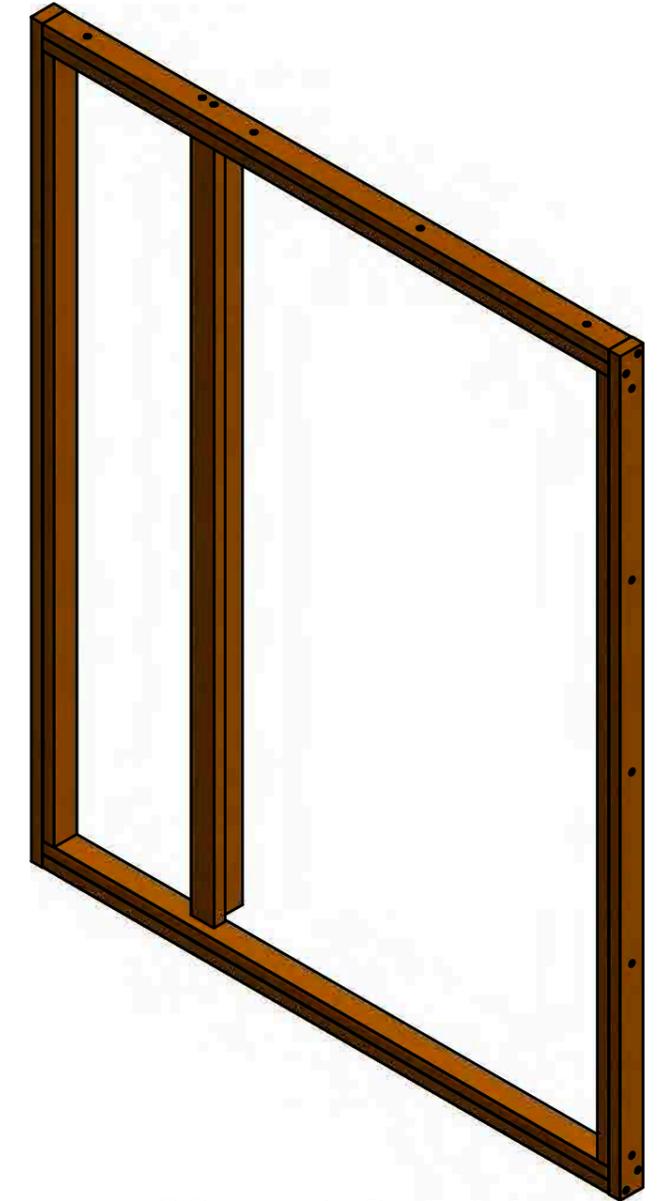
FRONT VIEW 1 (1 : 15)



A (1 : 5)



B-B (1 : 5)



ISOMETRIC VIEW

<p>Prowler Proof GERSHWIN PTY LTD 122 BUCHANAN RD BANYO, QLD. 4014 PH: +61 7 3363 0666 FAX: +61 7 3267 5411</p>	DRAWN	DATE	TITLE:	PROCESS CODE:
	CAD	15/11/2012	AS5039 - Testing	
	CHECKED	DATE	SLIDING DOOR - PINE TEST FRAME	SHEET 1 OF 1
	APPR.	DATE	PART NUMBER: AS5039-WDLD SD2004	SCALE NTS
RAW MATERIAL	MATERIAL THICKNESS	DRAWING DOCUMENT FILE NAME: AS5039-WDLD SD2004.idw MODEL DOCUMENT FILE NAME: AS5039-WDLD SD2004.iam	STOCK NUMBER / DESCRIPTION AS5039-WDLD SD2004	REV.
<p>• THIS DRAWING AND ITS CONTENTS ARE CONFIDENTIAL AND ARE SUBJECT TO RETURN ON DEMAND AND MAY NOT BE COPIED OR DISCLOSED TO ANY THIRD PARTY OR USED DIRECTLY OR INDIRECTLY FOR ANY OTHER PURPOSE THAN AS EXPRESSLY DETERMINED IN WRITING BY Gershwin Pty. Ltd.</p>		<p>UNLESS OTHERWISE SPECIFIED XX = • 4mm X.X = • 0.5mm XX.XX = • 0.25mm</p>	<p>ALL DIMENSIONS IN MILLIMETERS ALL THREAD TO BE METRIC COARSE ALL WELDS TO AS1554 ALL BURRS AND SHARP EDGES TO BE REMOVED</p>	<p>PROJECTION 3RD ANGLE</p>
DO NOT SCALE DRAWING		WEIGHT: 29.25 kg	SHEET SIZE: A3	INV.

REV. No	REVISION DESCRIPTION	DRAWN	DATE	APP. BY	DATE
1	REVISION HISTORY				



NATA Accredited Laboratory No: 15147



A Z U M A
Design

AS5039

TEST REPORT
(Shear test only)

Azuma Design Pty Ltd

Address: 160 Newton Rd Wetherill Park NSW 2164 Australia PH: 61(02)9604 0255 FAX: 61(02)9604 0466

SHEAR TEST REPORT

AZT Number: AZT0064.12

Date: 1st May 2012

Manufactured By: PROWLER PROOF

Sample identification: KAU 1865, Alloy Temper 6063

Surface finish: Mill finish Aperture: 60mm

Type: I

Aim: To test the sample in accordance with Section 7 of AS5041-2003-Methods of test- Security Screen Doors and Window Grilles.

Method:

- Transpose a circle of 150 mm diameter onto the infill of the test specimen. Count and record the number of chords/strands of the infill material/grille that are intersected by the circle.
- Choose a sample chord from the test specimen. For infill material of a regular, uniform design, the sample shall be a typical strand, clear of any knuckles or webs. For infill materials of irregular design and varying strand size, the thinnest structural strand intersected by the 150 mm circle shall be taken.
- Position the sample in the shear apparatus so that its orientation in relation to the cutting edges corresponds approximately to the direction of attack within a cutting tool in situ in an infill.
- Apply a load to the test sample at a rate of 19 mm/min cross-head travel and increase the load until fracture occurs.
- Record the shear force at fracture. If a double shear tool is used, the shear force recorded shall be half that which was measured.

Requirements:

- (a) The breaking force of the chords shall be not less than 30 kN.
- (b) The shear force of any chord shall be not less than 3 kN.

Test equipment:

Azuma Hydraulic test rig
Double shear tool

Azuma Design Pty Ltd

Address: 160 Newton Rd Wetherill Park NSW 2164 Australia PH: 61(02)9604 0255 FAX: 61(02)9604 0466



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NATA Accredited Laboratory No: 15147



SHEAR TEST REPORT

Results:

Sample A

Shear	Orientation	Double shear force	Shear force (Half of double shear force)
1	Vertical	9590	4795
2	Vertical	9550	4775
3	Vertical	9330	4665
4	Horizontal	9530	4765
5	Horizontal	10350	5175
6	Horizontal	10190	5095
7	Diagonal	10060	5030
8	Diagonal	10030	5015
9	Diagonal	10260	5130
Average =			4938.33 N

1 Number of Intersections of Strands by 150mm Dia Circle: 8

2 Average Breaking Force in Shear of one Strand (min 3kN): 4.93 kN

Multiplication of above points 1 and 2 (min 30kN): 39.50 kN

Remarks: PASSED

Azuma Design Pty Ltd

Address: 160 Newton Rd Wetherill Park NSW 2164 Australia PH: 61(02)9604 0255 FAX: 61(02)9604 0466

SHEAR TEST REPORT

Sample B

Shear	Orientation	Double shear force	Shear force (Half of double shear force)
1	Vertical	9980	4990
2	Vertical	9470	4735
3	Vertical	10210	5105
4	Horizontal	10890	5445
5	Horizontal	10320	5160
6	Horizontal	10280	5140
7	Diagonal	10360	5180
8	Diagonal	10230	5115
9	Diagonal	10390	5195
Average =			5118 N

3 Number of Intersections of Strands by 150mm Dia Circle: 8

4 Average Breaking Force in Shear of one Strand (min 3kN): 5.11 kN

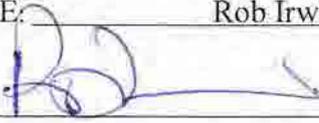
Multiplication of above points 1 and 2 (min 30kN): 40.94 kN

Remarks: PASSED

CONCLUSION

From the results achieved it is evident that the sample satisfies requirement 7.6 of AS5039-2008- Security screen doors and window grilles.

SIGNATORY NAME: Rob Irwin

SIGNATURE: 

DATE: 1st May 2012

Azuma Design Pty Ltd

Address: 160 Newton Rd Wetherill Park NSW 2164 Australia PH: 61(02)9604 0255 FAX: 61(02)9604 0466



A Z U M A
Design

NATA Accredited Laboratory No: 15147



DATE: 1st May 2012

EQUIPMENTS USED TO PERFORM THE ABOVE TEST

EQUIPMENT NAME	EQUIPMENT NUMBER	√ IF USED
Tape Measure	AZTAPE0001	
1500mm Steel Rule	AZRULE0001	
Shear Test Apparatus	AZTEST0009	
Hydraulic Load Test Rig Readout	AZTEST0008	
200 mm Digital Caliper	AZCALI0010	
Knife Shear Knife	AZKNIF0001	
Knife Shear Blade	AZBLAD0001	

Azuma Design Pty Ltd

Address: 160 Newton Rd Wetherill Park NSW 2164 Australia PH: 61(02)9604 0255 FAX: 61(02)9604 0466

1

'O' Ring

Locating Lugs

Actuating Bar

Rod

Bottom Lock

Ensure Actuating Bar and Rods are assembled as shown prior to assembly to the door frame. With the 'TOP' mark facing the top of the door.

Keeping the Locating Lugs of the Actuating Bar facing the front edge of the stile, insert the rod assembly through the top cut-out and slide it through the door section. With the Top lock in the locked position connect the rod and push into place.

Pull bottom rod end through bottom cut-out. Connect to Bottom Lock and push into place.

2

Hub

Snib Selector

Selector Screw

Ensure Hubs are aligned so that Snib Selector can move freely. Adjust Interior Snib Selector by rotating the selector screw with a screwdriver. The arrow must point towards the interior face of the door when lock is fitted. **Do not overtighten.**

3

Top Lock

With the lock body in the factory set **Deadlock** position, insert into cutout. Ensure the Locating Lug on the Actuating bar engages correctly and secure with two 12mm countersunk self tapping screws supplied. The lock must be mounted in the position shown, as our product warranty cannot be assured if mounted upside down.

4

Assembling Indicator to lock. Slide Indicator wheel to required side prior to assembly. Drive post can only be inserted in lock body in the correct position. Insert lock indicator into interior side of lock body as shown.

Yellow plastic washer

If a rectangular punch is used, insert plastic washer as shown.

5

Position Exterior snib plate into position on the external furniture plate as shown.

6

Secure furniture plates to door section. Secure with two 25mm screws supplied.

7

Position the cylinder assembly in the lock body so that the cam rotates towards the front end of the door. Secure with 32mm countersunk metal thread screw supplied. **Do not overtighten this screw as it may jam the locking mechanism.**

8

With the cylinder assembled, insert key and rotate to the unlocked condition.

Insert high strength striker into lock body to test operation.

9

Installation of Bottom Auxiliary Lock

Step A. Ensure the lock is in the red "LOCKED" position. Gently push the bottom lock up towards the main lock until it stops.

Drill a 3mm hole in the centre of the slot, and loosely fit the first fixing screw.

Step B. Push the lock towards the bottom of the door, tighten the first screw.

Check the beak position as per Step 11. Unlock and lock the main lock to check operation.

Ensure the lock is in the red "LOCKED" position, drill and fasten the second screw.

10

Installation of Top Auxiliary Lock

Step A. Ensure the lock is in the red "LOCKED" position. Gently push the top lock down towards the main lock until it stops.

Drill a 3mm hole in the centre of the slot, and loosely fit the first fixing screw.

Step B. Push the lock towards the top of the door, tighten the first screw.

Check the beak position as per Step 11. Unlock and lock the main lock to check operation.

Ensure the lock is in the red "LOCKED" position, drill and fasten the second screw.

11

Checking of Top and Bottom Auxiliary Locks

For correct function the beak should remain secure when pressure is applied in deadlocked state.

To check correct function, deadlock the door and apply downwards pressure with a screw driver in position shown. If the beak releases the lock is now out of sync. Resynchronise the lock and adjust the lock slightly downwards. Deadlock and repeat test until beak is secure.

Press here with screwdriver

Resynchronising the Lock

If the lock is out of sync and cannot be operated. Remove the furniture plates and indicator assembly. Insert a small flathead screw driver into the indicator mechanism as shown. Turn the mechanism in the key locking direction. Check the operation of the lock.

12

Passage Mode

Rotate the key to put the lock into 'Passage Mode'. The indicator will show green and both snibs will be free to operate.

Privacy Mode

Rotating the key 90° will place the lock into 'Privacy Mode'. The indicator will show Yellow. The external snib will be locked and the internal snib free to operate. Alternatively turn the internal snib towards the door jamb to place the lock in Privacy mode.

Deadlock Mode

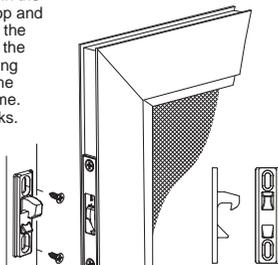
Rotating the key 180° will place the lock into 'Deadlock Mode'. The indicator will show Red. Both the external and internal snib will be locked and the lock can only be unlocked by using the key.



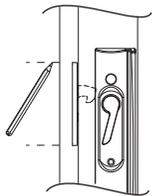
13

Mounting the Striker

With the strikers inserted in the main lock body and the top and bottom locks, either mark the position on the outside of the jamb or remove the backing from the tape and allow the strikers to stick to the frame. Remove strikers from locks.



Use larger strikers on Top and Bottom locks



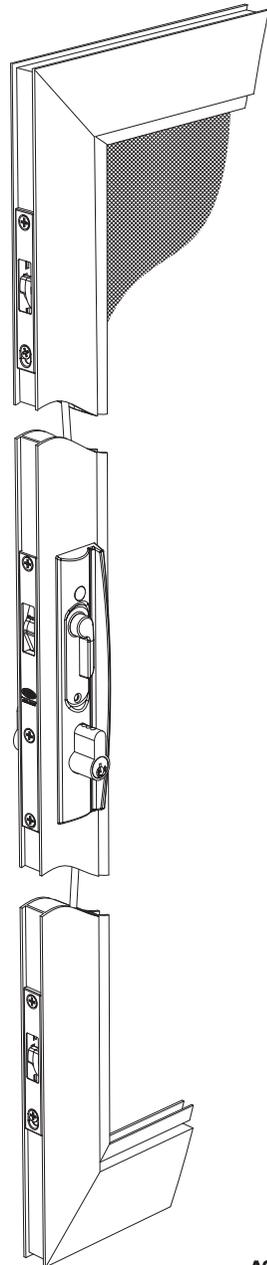
Use smaller striker on the Main lock

For the main lock drill two Ø3mm holes and fit to door jamb where marked using 12mm countersunk screws. Adjust striker to correct position and then tighten screws. For timber jambs use longer 10g screws provided. Repeat the process with the top and bottom strikers with the 8g screws



LOCKWOOD 8653 SECURITY SLIDING 3 POINT DOOR LOCK

INSTALLATION INSTRUCTIONS



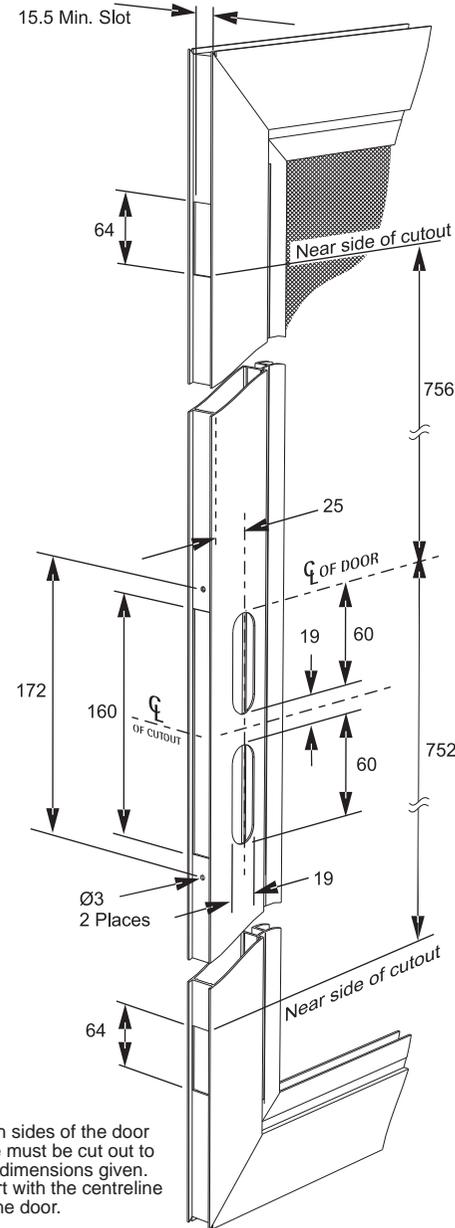
ASSA ABLOY

ASSA ABLOY Australia Pty Limited
235 Huntingdale Rd, Oakleigh, VIC 3166
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The Global Leader in Door Opening solutions

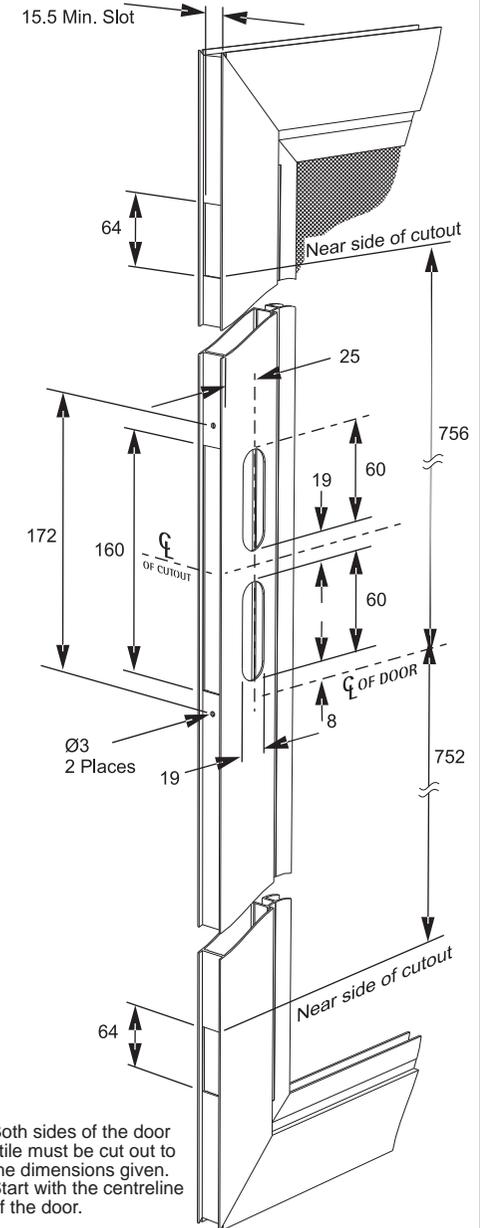
Part No. 8653-221 Iss. C 0811

Mounting of the handle below the centreline.



Both sides of the door stile must be cut out to the dimensions given. Start with the centreline of the door.

Mounting of the handle above the centreline.



Both sides of the door stile must be cut out to the dimensions given. Start with the centreline of the door.

LOCKWOOD GUARANTEE - ASSA ABLOY Australia Pty Limited ("ASSA ABLOY") warrants its Lockwood products against defects in workmanship and materials, subject to the limitations and exclusions set out in this Warranty. If, within the normal working life of a product, it is found to be defective, and none of the limitations and exclusions set out in this Warranty apply, ASSA ABLOY will supply the same or equivalent product free of charge. This is the only remedy granted by ASSA ABLOY under this Warranty. All electrical and electronic components used in ASSA ABLOY's Lockwood range of products (excluding batteries) are guaranteed for a period of 12 months from the date of proof of purchase, unless stated otherwise. Exclusions: This Warranty does not cover: 1. Damage to or malfunction or failure of the Lockwood product caused or contributed to by: (a) improper installation or failure to follow fitting instructions; (b) improper maintenance; (c) fair wear and tear; (d) any modification or repair which has not been authorized by ASSA ABLOY; (e) use of substitute or replacement parts or cylinders other than genuine ASSA ABLOY parts or cylinders; or (f) use of batteries other than those specified by ASSA ABLOY. 2. The cost of: (a) removal and/or replacement of the Lockwood product; (b) freight and/or traveling time; (c) replacement batteries; or (d) any modification or repairs to a Lockwood product, unless authorised by ASSA ABLOY. 3. Damage to or deterioration of the plated finishes Florentine Bronze, Architectural Bronze, Polished Brass, Gold and Satin Brass, which are classified as soft finishes, and are subject to deterioration under some environmental conditions. 4. Personal injury, property damage or economic loss, however caused. Symmetry® 5 Year Finish Warranty: ASSA ABLOY Australia Pty Limited will replace five-year branded Symmetry product if within five years from the proven date of purchase it tarnishes, discolours or corrodes when properly installed and subject to no more than fair wear and tear. Symmetry® Everbrass® Warranty: Everbrass product is coated both on the exterior and interior surfaces with a lifetime anti-tarnish finish. ASSA ABLOY Australia Pty Limited will replace Everbrass branded product if it corrodes, tarnishes or discolours when properly installed and subject to no more than fair wear and tear. This Warranty is in addition to and not in substitution for any rights of the purchaser under the Australian Consumer Law and state or territory legislation.