



AZUMA Design

AS5039

TEST REPORT

Window Grille

Azuma Design Pty Ltd

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

AS5039 Window Grille Test Report/Issued Date 24-03-05/Revised Date 10.5.10

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SECURITY WINDOW GRILLE

AZT Number: AZT0042.12
Manufactured By: Secureview
Tested By: Nathan Olsen Date: 17 th April 2012
Certified By: Nathan Olsen Date: 17 th April 2012
Witnessed By: Rob Irwin Date: 17 th April 2012
Details of Test Window
Sample Identification: Secureview perforated security window
Size:1500mm x 900mm Class A,B,C or D: A
Mounting method used (ie rebate, face fixed): Face fixed
Gap between Window and Mounting Frame Lock Side (mm):
Hinge Side (mm):
Type of Material Used in Mounting Frame: Radiata Pine
Constructional Description of Test Window: Perforated mesh secured in security window frame via wedge system and face fixed to timber frame via tamperproof fixings spaced at approximately
330mm centres

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SECURITY WINDOW GRILLE

Details of V	<u> Window Infill</u>					
Manufactur	red By: Secureview	# # TO THE T				
Туре:	III					
	e diamond grille) fill out the following: Number of Intersections of Strands by 15	0mm Dia Circle:				
2	Breaking Force in Shear of one Strand (min 3kN):					
3	Multiplication of above points 1 and 2 (min 30kN):					
Dynamic I	mpact Test					
Check weig	ght of Impact bag: 44.090	kilograms				
Drop Heigh	at of Impact bag for 100 J blow: (using for	ormula <u>10204</u> = h)				
	w = weight of bag in kilograms h = drop height in millimeters					
Observation	<u>18</u>					
Standard: _	5mm					
Impact 1: _	23mm					
Impact 2: _	26mm					
Impact 3: _	28mm					
Impact 4: _	29mm					
Impact 5: _	30mm					
Result:	PASSED					

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SECURITY WINDOW GRILLE

Lock/Hinge and/or fixing Lever Test

LOCATION	PASS	FAIL	FORCE (N)	REMARKS
Top LH side Fixing				Could not insert screwdriver with the required force and in the required time period.
		~~~		

Note: Could not insert screwdriver to perform test, therefore a pass result is granted.

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#### **SECURITY WINDOW GRILLE**

#### **Pull Tests**

LOCATION/FORCES	<b>A</b> 150mm max.	<b>B</b> 450mm max.	C 100 x 100mm max.	D	E	PASS	FAIL

 $\mathbf{A}$  – Max. size of any gap between Edge of Security Window Grille and Frame after removal of force (static).

B – Max. size of gap at full Deflectional Load (dynamic).

C – The size of any gap occurring as a result of the test.

 ${f D}$  – Whether any part of the infill broke away completely from the remainder of the Security Window Grille framing as a result of the test.

**E** – Whether the Window Grille remained in a fixed position.

Remarks:	N/A	

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#### SECURITY WINDOW GRILLE

Probe t	test (Only appl	icable to type II	products)		
Force a	pplied in either o	lirection:			
Tested	with probe (yes/	10):			
Size of	gap (max 150mi	n):			
Remark	ks: <u>N/A</u>				
Shear t		ille) fill out the fo	Maurina		
Shear	Orientation Orientation	Double shear force	Shear force (Half of double shear		
1	Vertical		force)		
2	Vertical				
3	Vertical				
4	Horizontal				
5	Horizontal				
6	Horizontal				
7	Diagonal				
8	Diagonal				
9	Diagonal				
		Average =			
Number of Intersections of Strands by 150mm Dia Circle:  Average Breaking Force in Shear of one Strand (min 3kN):					
Multiplication of above points 1 and 2 (min 30kN):					
Remarks: N/A					
					-

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#### **SECURITY WINDOW GRILLE**

Knife shear test				
DID NOT TEST				
CONCLUSION				
Test	Result			
Dynamic Impact test:	PASSED			
Lock and Hinge lever test:	PASSED Could not fit apparatus			
Pull test:	N/A			
Probe test:	N/A			
Shear test:	N/A			
Knife shear test:	DID NOT TEST			
SIGNATORY NAME: Nathan Olsen				
SIGNATURE: Neglia				
DATE: 20 th April 2012				

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