



Windows and Doors
Load bearing capacity of Safety Devices
following the principles of
BS EN 14609:2004; BS EN 948:1999 & BS EN 14351-1:2006 + A1:2010
and as detailed in Build Check test procedure TP-09

Client:	FABCO Sanctuary Ltd
Project:	FABW20R Flush Side Hung Casement window fitted with 2no. Magnum Sliding restrictors
Project reference:	W13108
Issue date:	17/07/2013
Prepared By:	
Test dates:	19/4/2013

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1.0 Summary

This load bearing capacity of safety device test was commissioned by Dave Cane of Fabco Sanctuary Ltd Unit 1 Hobbs New Barn, Climping, Littlehampton, West Sussex BN17 5TF and was performed following the principles in BS EN 14609:2004 (for windows) & BS EN 14351-1:2006 + A1:2010 (performance standard)

This report only relates to the actual sample tested.

2.0 Test Specimen

Specimen:	Flush Side Hung Casement Window fitted With Magnum Sliding restrictors
Brand/range name:	Fabco W20R
Finish:	Black
Construction	Frame: Steel Sash: Steel
Mode of opening:	Side Hung
No of opening functions:	1
Safety device:	2no magnum M419 friction adjustor fixed with machined M5/M6 stainless steel screws
Hinge:	Slot welded Mild Steel hinges/ Brass bolts
Other Hardware:	Standard
Glazing	Double glazed, 18mm sealed unit
Dimensions:	Outer frame (w x h x t): 1250x 630 x 25mm Opening light (w x h x t): 1224x 604 x 25 mm

3.0 Test Details

The specimen was received on: 15th April 2013

Test Date: 19nd April 2013

The specimen was kept in the laboratory from the date it was received until the date it was tested and has thus been conditioned at a temperature of between 15 to 30 °C and a relative humidity of between 25 to 75%.

Environmental test conditions: Laboratory temperature 19.6 °C, relative humidity 42 %

Test classification: BS EN 14351-1:2006 +A1:2010 - Threshold value of 350N: Table 1No 9 for Windows and/or Table 2 No 7 for External pedestrian doorsets.

4.0 Results

Test No	Pre-load* (N)	Main Load* (N)	Maximum Deformation (mm)	Residual Deformation (mm)	Permanent damage?	Pass/Fail
1	35	350	5.21	4.57	No	Pass
2	35	350	3.15	2.30	No	Pass
OVERALL						PASS

5.0 Test Specimen Diagram

