



Test Report No: WTH1903#1-4

Date: 13/05/2019

Testing of: Single side hung projecting casement window

Tested to: BS 6375-2:2009 Clause 5.3  
Load bearing capacity of safety devices

Prepared for: Nico Manufacturing Ltd

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**AUTHORISATION**

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Assisted by:  
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Report produced by: D.Kury Position: Senior Test Engineer

Signature: 

Date: 31/05/2019

For and on behalf of Nico Manufacturing Ltd Test Laboratory

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Date: 31/05/2019

For and on behalf of Nico Manufacturing Ltd Test Laboratory

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**TEST REQUESTED BY**

**Origin of test request**

Company Name	Nico Manufacturing Ltd
Company Address	109 Oxford Road Clacton on Sea Essex CO15 3TJ
Contact	Ian Harrison
Contact position	Sales Director

**Quotation Details**

Quotation No.	WTH1903
Dated:	05/04/2019



**DETAILS OF TEST**

Description	Single side hung
Model / type	Projecting casement window
Make / Brand	Veka
Date sample received	18/04/2019
Any special requirements	

Test Specification	BS 6375-1:2015+A1:2016 Performance of windows & doors. Classification for operation and strength characteristics
Date sample received	18/04/2019
Date testing started	08/05/2019
Date testing finished	08/05/2019
Job No.	WTH1903
Any special requirements	

**BS 6375-2: 2009 Table A.1 Summary of classification for windows**

Characteristics	Test method	Classification Standard	Class for all windows
Load-bearing capacity of safety devices	BS EN 14609:2004	BS EN 14351-1:2006 +A2:2016	350 N

The samples were mounted in timber sub frames (nominal 100mm x 50mm in section).  
The samples were mounted in the test rig without any twists or bends that might influence the test result.

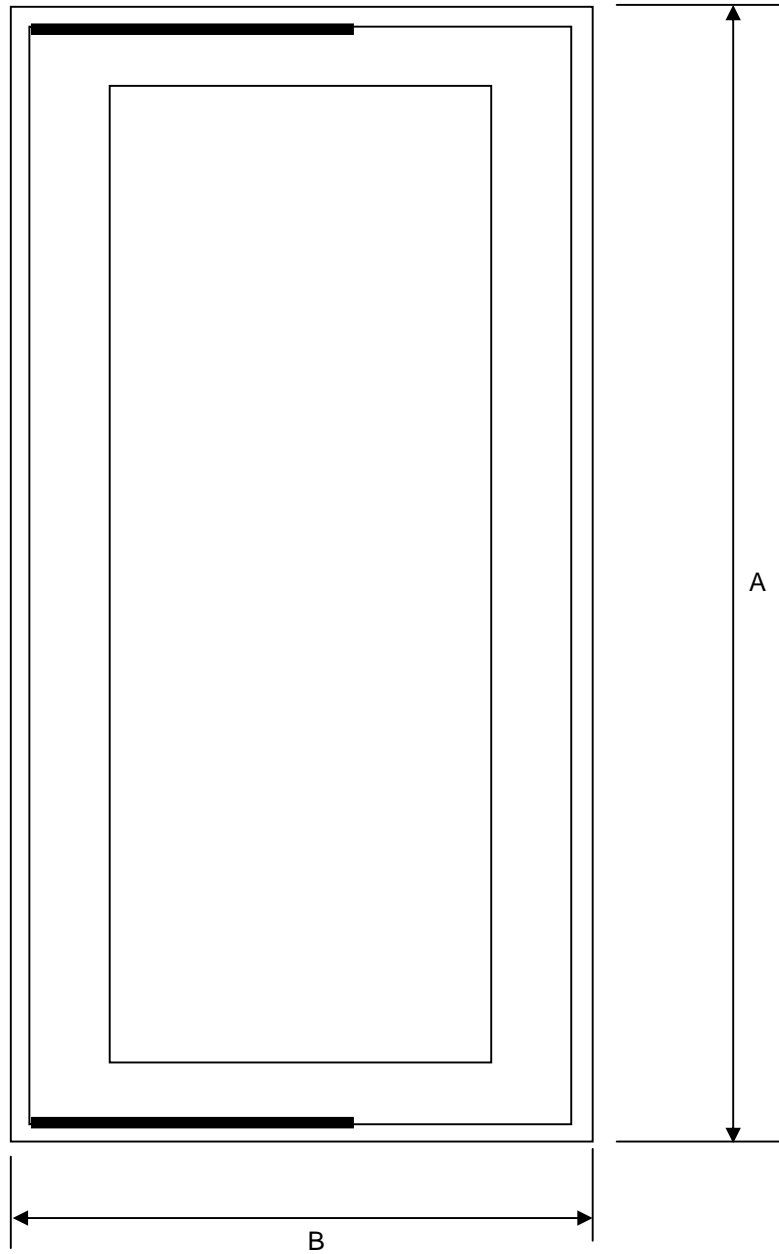


**DETAILS OF SAMPLE**

Sample number	WTH1903A
Sample details	Single side hung projecting casement window
Fabricator	Consort Ltd
Material:	PVC-U Veka part nos;- 56mm Frame, part no 101160 75mm sculptured sash, part no 103264
Finish	White gloss
Lock & keeps	None fitted
Hinges & protectors	Nico Atlas restricted egress easy clean, part no 8470
Handle	None fitted
Fixings	Hinges - 4.8 x 25mm pan head pierce point to sash and frame
Weather sealing	Co-extruded gaskets
Glass (or infill)	28mm Double glazed unit. 4-20-4mm.
Glazing system	Internally bead glazed with co-extruded gaskets. Shaped 28mm bead, part no 107.155
Sample dimensions	850mm (W) x 1300mm (H)



**TEST WINDOW DRAWING**



- A = 1300 mm
- A1 = mm
- B = 850 mm
- B1 = mm
- C = mm
- D = mm
- E = mm

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**TEST RESULT**

Sample No	WTH1903A	Temperature	19°C	Humidity	44%RH	Date	08/05/2019
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BS 6375-2 test	Requirement	Test results
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Load bearing capacity of safety devices	Withstand force of 350N for 60 seconds  BS EN 14351-1:2006 Clause 4.8	Withstood force and remained operational
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**CONCLUSIONS OF TEST**

Clause No.	Test Description	Test result
C.5.3 (Test 4)	<b>Load-bearing capacity of safety devices</b>  (BS EN 14351-1:2006 Resist force of 350N for 60 seconds)	Pass

The results contained in this test report relate only to the particular sample/s tested and to the specific tests carried out as detailed within this report.

**Test specimen details**

Details of the samples construction and hardware components is based on information supplied by the test client, while these details have been checked and verified where possible WTH accepts no responsibility for the accuracy of details supplied.





**PICTURE OF TEST WINDOW**



**END OF REPORT**