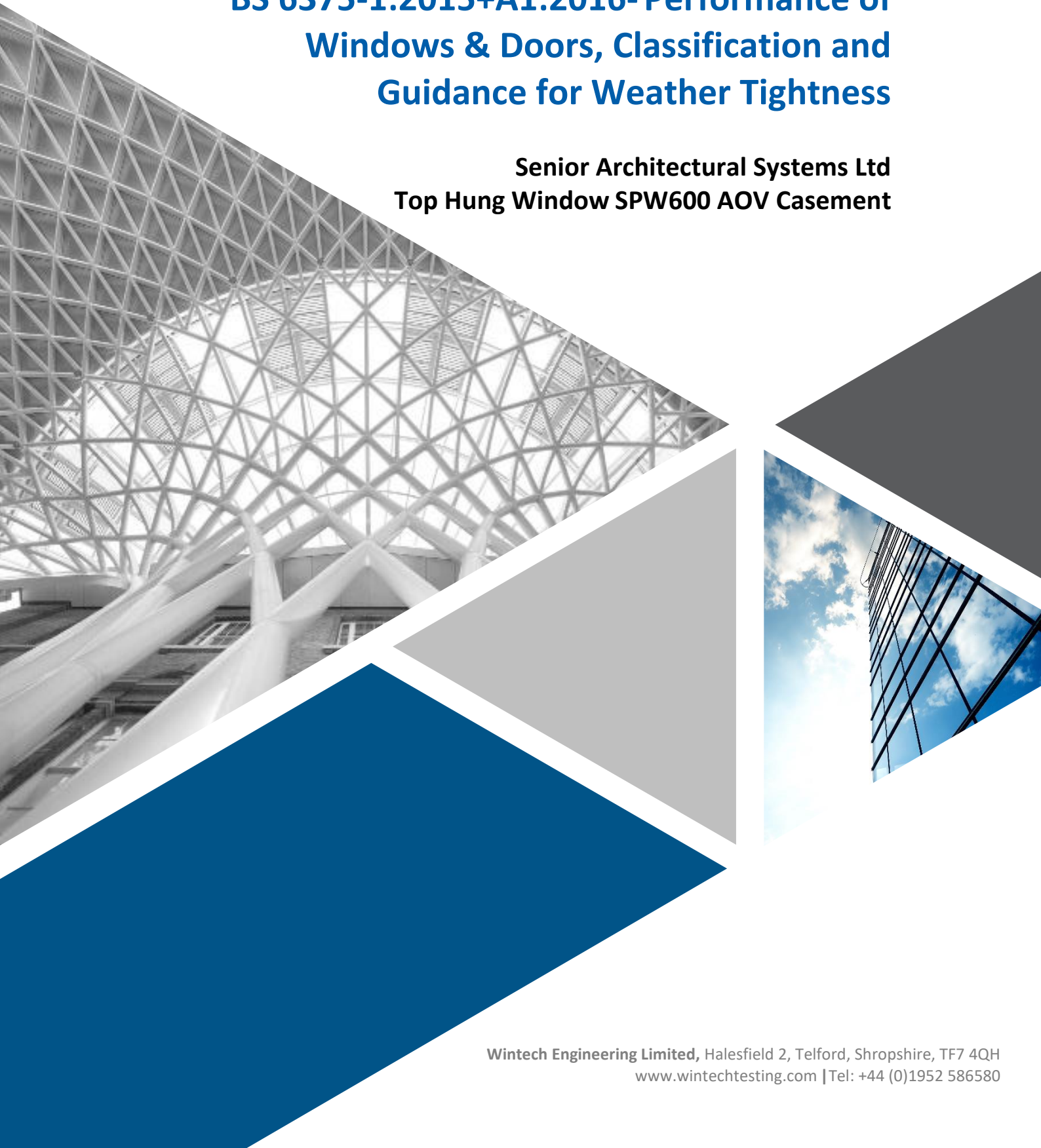


Technical Report – R20913

BS 6375-1:2015+A1:2016- Performance of Windows & Doors, Classification and Guidance for Weather Tightness

**Senior Architectural Systems Ltd
Top Hung Window SPW600 AOV Casement**





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1. Introduction

This report describes tests carried in order to determine the weather tightness of the test specimen supplied as follows:

Test Details	
Customer:	Senior Architectural Systems Ltd Eland Road Denaby Main DN12 4HA
Product Tested:	Top Hung Window SPW600 AOV Casement
Date of Test:	24 th March 2019
Test Conducted at:	Wintech Engineering Limited Halesfield 2 Telford Shropshire TF7 4QH
Test Conducted by:	N Steventon Laboratory Technician

Report Authorisation	
Report Compiled by:	D Perkin Technical Administrator 
Authorised by:	M Witkowska Deputy Quality Engineer 

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2. Summary of Results

The following summarises the results of testing carried out, in accordance with the relevant testing and classification standards.

The performance of the sample tested has been assessed against the criteria described in below standards. The results as reported will be used to determine the conformance or non-conformance with the specification without making any consideration of the uncertainty.

	<i>Test Method & Classification Standard</i>	<i>Achieved Max. Test Pressure</i>	<i>Classification</i>
Air Permeability	BS EN 1026:2016 BS EN 12207:2016	600 Pa	4
Water Tightness	BS EN 1027:2000 BS EN 12208:2000	600 Pa	9A
Wind Resistance	BS EN 12211:2016 BS EN 12210:2016	2400 Pa	CE2400
Classification according to Table 1 of BS 6375-1:2015+A1:2016			2000 +

More comprehensive details are reported in Section 6.

Note: These results are valid only for the conditions under which the test was conducted

Note: All measurement devices, instruments and other relevant equipment were calibrated and traceable to National Standards.

3. Description of Test Sample

The description of the test sample in this section has been supplied by Senior Architectural Systems Ltd and has not been verified by Wintech Engineering Limited.

See Section 7 for test sample drawings as provided by the customer.

Project number:	D.0706 20913
Product range name:	SPW600 AOV Casement
Configuration:	Top Hung
Opening direction:	Outward Opening
Is the sample typical of normal production?	Yes
Please define the closing condition of the sample i.e. closed, fastened, latched, locked and secured etc.	Closed

Outer Frame

Outer frame width:	2592mm	Outer frame material:	Aluminium 6063
Outer frame height:	1292mm	Outer frame gasket	
Outer frame Part Numbers		Gasket type:	Bubble
Top:	SPW60102	Manufacturer:	Senior Architectural Systems
Bottom:	SPW60102	Product name:	Bubble Gasket
Lock side:	SPW60102	Product code:	SW4B
Hinge side:	SPW60102	Threshold	N/A
Outer frame section size		Manufacturer:	
Width:	75mm	Product name:	
Depth:	55mm	Product code:	
Reinforcing:	N/A	Material:	
Manufacturer:		Outer frame joint method	Cleat Chevron
Product name:		All Corners (Per Corner)	1No.SW445CT8 1No.SW4CH7 1No.SW445CT28
Product code:			
Material:		Surface Finish	Mill Steel

Leaf

Leaf/Casement width:	2500mm	Leaf/ Casement material:	Aluminium 6063
Leaf/ Casement height:	1200mm	Leaf/ Casement gasket	
Leaf/ Casement Part Numbers		Gasket type:	Flipper Gasket
Top:	SPW6041040	Manufacturer:	Senior Architectural Systems
Bottom:	SPW6041040	Product name:	External Gasket