

TEST CERTIFICATE

BALUSTRADE TESTING IN ACCORDANCE WITH BRITISH STANDARD BS 6180:2011



On behalf of TIW Fulfilment Limited,
Sedna House, Mansfield Road, Castleton, Cardiff, CF3 2UW

BALUSTRADE TESTING STS LABORATORY

TEST DESCRIPTION: A series of load tests were undertaken using hydraulics to impose loads to determine the deflection of the balustrade system. All testing were carried out in accordance with BS 6180:2011.

REF NO.: DR-6041 **DATE TESTED:** 08/12/2025
JOB NO.: P10375 **CERTIFICATE DATE:** 12/12/2025
CERTIFICATE NO.: IC12207 **SUPPLIER/SOURCE:** Client

TEST DETAILS:

Product Tested: Glass Balustrade System **Item Condition:** New Install
Target Load: 0.74kN & 1.50kN **Ambient Temperature:** 14°C
Test Location: STS Laboratory **Procedure or Method:** BS 6180:2011
Test Number: One - Two

TEST RESULTS:

Test Number	Test Sample	Test Type	Target Load (kN/m)	Load Achieved (kN/m)	Maximum Displacement (mm)	Classification
1	12mm Glass	UDL	0.74	0.74	13.86	Pass
		Point	0.50	0.50	4.72	
		Infill	1.00	1.00	5.37	
2	21.6mm Glass	UDL	1.50	1.50	17.48	Pass
		Point	1.50	1.50	6.69	
		Infill	1.50	1.50	5.2	

ANALYSIS:

Testing was completed successfully with both balustrade systems completing their designated loading sequences of 0.74kN/m and 1.50kN/m. A maximum recorded displacement of 17.48mm was recorded on the 21.6mm glass, along with a maximum displacement of 13.86mm being recorded on the 12mm glass, resulting in a pass. All testing was carried out in accordance with BS 6180:2011.

For Specialist Technical Services (U.K) Limited			The results found on this Certificate relate only to the product[s] tested as described above This Test Certificate shall <u>not</u> be reproduced except in full QC: TC001 – Test Certificate – v5.0 Page 1 of 1
Approved By:	Andrew Gore		
Position:	Technical Director		
Signature:			

END OF PAGE

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