

TEST CERTIFICATE

BALUSTRADE TESTING IN ACCORDANCE WITH
BRITISH STANDARD BS 6180:2011



BALUSTRADE TESTING STS-UK GROUP LABORATORY

TEST DESCRIPTION: A line load was applied to the balustrade system at a height of 1100mm and width of 1000mm to determine the deflection of the balustrade system when assembled. All testing were carried out in accordance with BS 6180:2011.

REF NO.: DR-5620 **DATE TESTED:** 24th July 2023
JOB NO.: P10189 **CERTIFICATE DATE:** 25th July 2023
CERTIFICATE NO.: IC11313 **SUPPLIER/SOURCE:** Client

TEST DETAILS:

Product Tested: Model 9325 1.2M Side Mounted **Item Condition:** New
Target Load: 1.5kN/m **Ambient Temperature:** 18°C
Test Location: STS Laboratory **Procedure or Method:** BS 6180:2011
Test Number: One

TEST RESULTS:

Glass Type	Target Load (kN/m)	Load Achieved (kN/m)	Maximum Displacement (mm)	Classification
21.52mm Sentry	1.5	1.5	24.63	Pass



ANALYSIS:

Testing was completed successfully with the balustrade system achieved a loading of 1.5kN/m with a maximum recorded displacement of 24.63mm 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 – v3.0 Page 1 of 1
Approved By: Andrew Gore		
Position: Technical Director		
Signature:		

END OF PAGE

Unit D4, Poole Hall Business Park, Poole Hall Road, Ellesmere Port, Cheshire, CH66 1UA, United Kingdom

T: +44 (0) 1244 794 104 F: +44 (0) 1244 794 204

E: Info@sts-group.co.uk

Offices Located at: Chester | Ellesmere Port

Website: <https://www.sts-group.co.uk>



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TEST DESCRIPTION: A line load was applied to the balustrade system at a height of 1100mm and width of 1000mm to determine the deflection of the balustrade system when assembled. All testing were carried out in accordance with BS 6180:2011.

REF NO.: DR-5620
JOB NO.: P10189
CERTIFICATE NO.: IC11314

DATE TESTED: 24th July 2023
CERTIFICATE DATE: 25th July 2023
SUPPLIER/SOURCE: Client

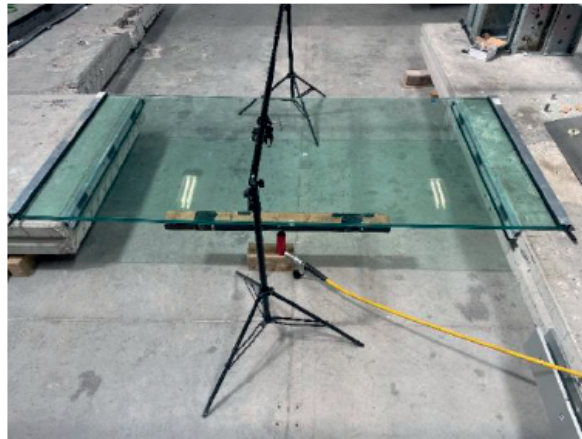
TEST DETAILS:

Product Tested: Top Mounted Juliet
Target Load: 1.5kN/m
Test Location: STS Laboratory
Test Number: Two - Five

Item Condition: New
Ambient Temperature: 18°C
Procedure or Method: BS 6180:2011

TEST RESULTS:

Glass Type	Target Load (kN/m)	Load Achieved (kN/m)	Maximum Displacement (mm)	Classification
1200 W x 1100 12.76	1.5	1.5	6.07	Pass
1500 W x 1100 21.52	1.5	1.5	5.09	Pass
1800 W x 1100 17.52	1.5	1.5	7.50	Pass
2350 W x 1100 21.52	1.5	1.5	6.30	Pass



ANALYSIS:

Testing was completed successfully for glass types, with the balustrade system achieved a loading of 1.5kN/m with a maximum recorded displacement of 7.50mm resulting in a pass. All testing was carried out in accordance with BS 6180:2011.

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Approved By:	Andrew Gore		
Position:	Technical Director		
Signature:			QC: TC001 – Test Certificate – v3.0 Page 1 of 1

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BALUSTRADE TESTING STS-UK GROUP LABORATORY

TEST DESCRIPTION: A line load was applied to the balustrade system at a height of 1100mm and width of 1000mm to determine the deflection of the balustrade system when assembled. All testing were carried out in accordance with BS 6180:2011.

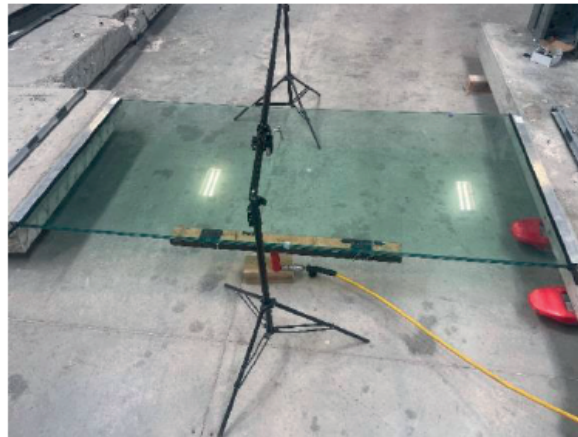
REF NO.: DR-5620 **DATE TESTED:** 24th July 2023
JOB NO.: P10189 **CERTIFICATE DATE:** 25th July 2023
CERTIFICATE NO.: IC11315 **SUPPLIER/SOURCE:** Client

TEST DETAILS:

Product Tested: Side Mounted Juliet **Item Condition:** New
Target Load: 1.5kN/m **Ambient Temperature:** 18°C
Test Location: STS Laboratory **Procedure or Method:** BS 6180:2011
Test Number: Six - Nine

TEST RESULTS:

Glass Type	Target Load (kN/m)	Load Achieved (kN/m)	Maximum Displacement (mm)	Classification
1200 W x 1100 12.76	1.5	1.5	4.98	Pass
1500 W x 1100 21.52	1.5	1.5	5.78	Pass
1800 W x 1100 17.52	1.5	1.5	6.75	Pass
2350 W x 1100 21.52	1.5	1.5	4.92	Pass



ANALYSIS:

Testing was completed successfully for glass types, with the balustrade system achieved a loading of 1.5kN/m with a maximum recorded displacement of 6.75mm resulting in a pass. All testing was carried out in accordance with BS 6180:2011.

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Approved By:	Andrew Gore		
Position:	Technical Director		
Signature:		QC: TC001 – Test Certificate – v3.0 Page 1 of 1	

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