

TEST CERTIFICATE
BALUSTRADE TESTING IN ACCORDANCE WITH
BRITISH STANDARD BS 6180:2011



On behalf of Concorde Glass Limited
 Linx House, Waterloo Road, Mablethorpe, England, LN12 1LE

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:	24 th July 2023
JOB NO.:	P10189	CERTIFICATE DATE:	25 th July 2023
CERTIFICATE NO.:	IC11316	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

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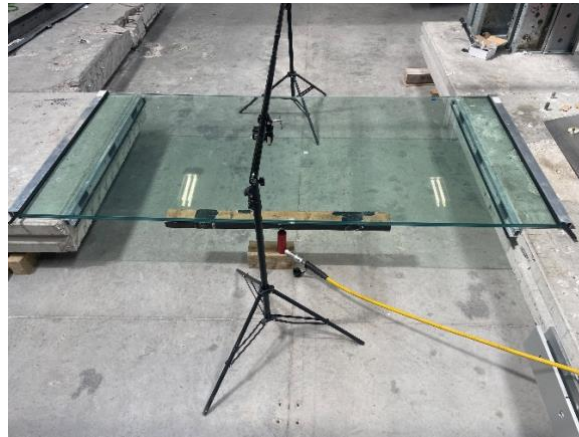
TEST DESCRIPTION: A line load was applied to the balustrade system at a height of 1100mm and width of 1000mm to determine the deflection of the balustrade system when assembled. All testing were carried out in accordance with BS 6180:2011.

REF NO.:	DR-5620	DATE TESTED:	24 th July 2023
JOB NO.:	P10189	CERTIFICATE DATE:	25 th July 2023
CERTIFICATE NO.:	IC11317	SUPPLIER/SOURCE:	Client

TEST DETAILS:			
Product Tested:	Top 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:	Two - Five		


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 17.76	1.5	1.5	7.50	Pass
2350 X 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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Linx House, Waterloo Road, Mablethorpe, England, LN12 1LE

BALUSTRADE TESTING STS-UK GROUP LABORATORY

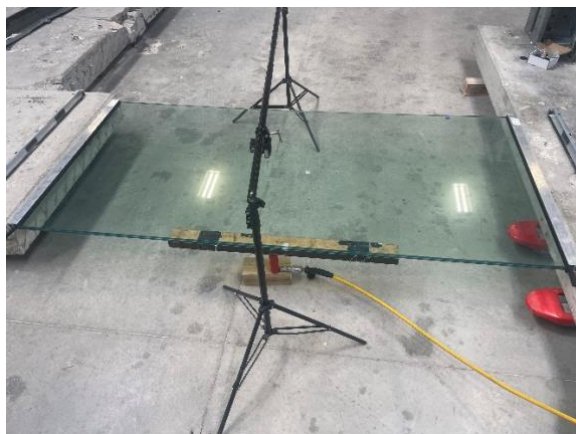
TEST DESCRIPTION: A line load was applied to the balustrade system at a height of 1100mm and width of 1000mm to determine the deflection of the balustrade system when assembled. All testing were carried out in accordance with BS 6180:2011.

REF NO.:	DR-5620	DATE TESTED:	24 th July 2023
JOB NO.:	P10189	CERTIFICATE DATE:	25 th July 2023
CERTIFICATE NO.:	IC11318	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 17.76	1.5	1.5	6.75	Pass
2350 X 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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