

TEST CERTIFICATE

BALUSTRADE TESTING IN ACCORDANCE WITH BRITISH STANDARD BS 6180:2011



On behalf of Bohle Ltd
Fifth Ave , Tameside Park Ind Est, Dukinfield, Cheshire, SK16 4PP

LYON BALUSTRADE TESTING

STS LABORATORY, UNIT 4 POOLE HALL BUSINESS PARK, CHESHIRE, CH66 1UA

TEST DESCRIPTION: A balustrade test was applied to determine whether the product could withstand the target loads of 1.50kN/m Line Load, 1.5kN/m² Infill Load and 1.5kN Point Load without exceeding its maximum deflection of 25mm. The testing sequence comprised of three tests, a line load, infill load and point load. Testing was completed in accordance with BS 6180:2011. All systems were fixed in place using M8 Fixings Grade 8.8 in controlled conditions.

REF NO.: DR-5502
JOB NO.: P10152
CERTIFICATE NO.: IC10904

DATE TESTED: 16th September 2022
CERTIFICATE DATE: 16th September 2022
SUPPLIER/SOURCE: Client

TEST DETAILS:

Product Tested:	Bohle Lyon Side Mounted Balustrade	Glass Size:	1200 x 1100 x 13.52mm
Target Load:	As per table below	Item Condition:	New Product
Test Location:	STS Laboratory	Ambient Temperature:	19°C
Test Number:	One	Procedure or Method:	BS 6180:2011

TEST RESULTS:

Test Type	Target Load	Load Achieved	Maximum Displacement (mm)	Classification
Line Load	1.5 kN/m	1.5 kN/m	9.53	Pass
Infil Load	1.5 kN/m ²	1.5 kN/m ²	7.46	Pass
Point Load	1.5 kN	1.5 kN	7.92	Pass

ANALYSIS:

The testing, when carried out in the manner described in BS 6180:2011 on the day of testing, successfully achieved a loads of 1.5kN/m line load, 1.5kN/m² infill load and 1.5kN point load whilst not exceeding 25mm of deflection, deeming the test a pass. All testing was carried out in accordance with BS6180:2011.

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:			

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

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LYON BALUSTRADE TESTING

STS LABORATORY, UNIT 4 POOLE HALL BUSINESS PARK, CHESHIRE, CH66 1UA

TEST DESCRIPTION: A balustrade test was applied to determine whether the product could withstand the target loads of 0.74kN/m Line Load, 1.0kN/m² Infill Load and 0.5kN Point Load without exceeding its maximum deflection of 25mm. The testing sequence comprised of three tests, a line load, infill load and point load. Testing was completed in accordance with BS 6180:2011. All systems were fixed in place using M8 Fixings Grade 8.8 in controlled conditions.

REF NO.: DR-5502
JOB NO.: P10152
CERTIFICATE NO.: IC10905

DATE TESTED: 16th September 2022
CERTIFICATE DATE: 16th September 2022
SUPPLIER/SOURCE: Client

TEST DETAILS:

Product Tested:	Bohle Lyon Side Mounted Balustrade	Glass Size:	2600 x 1100 x 21.52mm
Target Load:	As per table below	Item Condition:	New Product
Test Location:	STS Laboratory	Ambient Temperature:	19°C
Test Number:	Two	Procedure or Method:	BS 6180:2011

TEST RESULTS:

Test Type	Target Load	Load Achieved	Maximum Displacement (mm)	Classification
Line Load	0.74 kN/m	0.74 kN/m	13.45	Pass
Infil Load	1.0 kN/m ²	1.0 kN/m ²	15.73	Pass
Point Load	0.5 kN	0.5 kN	11.44	Pass

ANALYSIS:

The testing, when carried out in the manner described in BS 6180:2011 on the day of testing, successfully achieved a loads of 0.74kN/m line load, 1.0kN/m² infill load and 0.5kN point load whilst not exceeding 25mm of deflection, deeming the test a pass. All testing was carried out in accordance with BS6180:2011.

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LYON BALUSTRADE TESTING

STS LABORATORY, UNIT 4 POOLE HALL BUSINESS PARK, CHESHIRE, CH66 1UA

TEST DESCRIPTION: A balustrade test was applied to determine whether the product could withstand the target loads of 1.50kN/m Line Load, 1.5kN/m² Infill Load and 1.5kN Point Load without exceeding its maximum deflection of 25mm. The testing sequence comprised of three tests, a line load, infill load and point load. Testing was completed in accordance with BS 6180:2011. All systems were fixed in place using M8 Fixings Grade 8.8 in controlled conditions.

REF NO.: DR-5502
JOB NO.: P10152
CERTIFICATE NO.: IC10906

DATE TESTED: 16th September 2022
CERTIFICATE DATE: 16th September 2022
SUPPLIER/SOURCE: Client

TEST DETAILS:

Product Tested:	Bohle Lyon Side Mounted Balustrade	Glass Size:	1600 x 1100 x 17.52mm
Target Load:	As per table below	Item Condition:	New Product
Test Location:	STS Laboratory	Ambient Temperature:	19°C
Test Number:	Three	Procedure or Method:	BS 6180:2011

TEST RESULTS:

Test Type	Target Load	Load Achieved	Maximum Displacement (mm)	Classification
Line Load	1.5 kN/m	1.5 kN/m	12.36	Pass
Infil Load	1.5 kN/m ²	1.5 kN/m ²	11.89	Pass
Point Load	1.5 kN	1.5 kN	11.39	Pass

ANALYSIS:

The testing, when carried out in the manner described in BS 6180:2011 on the day of testing, successfully achieved a loads of 1.5kN/m line load, 1.5kN/m² infill load and 1.5kN point load whilst not exceeding 25mm of deflection, deeming the test a pass. All testing was carried out in accordance with BS6180:2011.

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TEST DESCRIPTION: A balustrade test was applied to determine whether the product could withstand the target loads of 0.74kN/m Line Load, 1.0kN/m² Infill Load and 0.5kN Point Load without exceeding its maximum deflection of 25mm. The testing sequence comprised of three tests, a line load, infill load and point load. Testing was completed in accordance with BS 6180:2011. All systems were fixed in place using M8 Fixings Grade 8.8 in controlled conditions.

REF NO.: DR-5502
JOB NO.: P10152
CERTIFICATE NO.: IC10907

DATE TESTED: 16th September 2022
CERTIFICATE DATE: 16th September 2022
SUPPLIER/SOURCE: Client

TEST DETAILS:

Product Tested:	Bohle Lyon Top Mounted Balustrade	Glass Size:	3000 x 1100 x 21.52mm
Target Load:	As per table below	Item Condition:	New Product
Test Location:	STS Laboratory	Ambient Temperature:	19°C
Test Number:	Four	Procedure or Method:	BS 6180:2011

TEST RESULTS:

Test Type	Target Load	Load Achieved	Maximum Displacement (mm)	Classification
Line Load	0.74 kN/m	0.74 kN/m	16.22	Pass
Infil Load	1.0 kN/m ²	1.0 kN/m ²	17.21	Pass
Point Load	0.5 kN	0.5 kN	10.67	Pass

ANALYSIS:

The testing, when carried out in the manner described in BS 6180:2011 on the day of testing, successfully achieved a loads of 0.74kN/m line load, 1.0kN/m² infill load and 0.5kN point load whilst not exceeding 25mm of deflection, deeming the test a pass. All testing was carried out in accordance with BS6180:2011.

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TEST DESCRIPTION: A balustrade test was applied to determine whether the product could withstand the target loads of 1.50kN/m Line Load, 1.5kN/m² Infill Load and 1.5kN Point Load without exceeding its maximum deflection of 25mm. The testing sequence comprised of three tests, a line load, infill load and point load. Testing was completed in accordance with BS 6180:2011. All systems were fixed in place using M8 Fixings Grade 8.8 in controlled conditions.

REF NO.: DR-5502
JOB NO.: P10152
CERTIFICATE NO.: IC10908

DATE TESTED: 16th September 2022
CERTIFICATE DATE: 16th September 2022
SUPPLIER/SOURCE: Client

TEST DETAILS:

Product Tested:	Bohle Lyon Top Mounted Balustrade	Glass Size:	1800 x 1100 x 17.52mm
Target Load:	As per table below	Item Condition:	New Product
Test Location:	STS Laboratory	Ambient Temperature:	19°C
Test Number:	Five	Procedure or Method:	BS 6180:2011

TEST RESULTS:

Test Type	Target Load	Load Achieved	Maximum Displacement (mm)	Classification
Line Load	1.5 kN/m	1.5 kN/m	16.71	Pass
Infil Load	1.5 kN/m ²	1.5 kN/m ²	15.27	Pass
Point Load	1.5 kN	1.5 kN	14.89	Pass

ANALYSIS:

The testing, when carried out in the manner described in BS 6180:2011 on the day of testing, successfully achieved a loads of 1.5kN/m line load, 1.5kN/m² infill load and 1.5kN point load whilst not exceeding 25mm of deflection, deeming the test a pass. All testing was carried out in accordance with BS6180:2011.

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REF NO.: DR-5502
JOB NO.: P10152
CERTIFICATE NO.: IC10909

DATE TESTED: 16th September 2022
CERTIFICATE DATE: 16th September 2022
SUPPLIER/SOURCE: Client

TEST DETAILS:

Product Tested:	Bohle Lyon Top Mounted Balustrade	Glass Size:	1200 x 1100 x 13.52mm
Target Load:	As per table below	Item Condition:	New Product
Test Location:	STS Laboratory	Ambient Temperature:	19°C
Test Number:	Six	Procedure or Method:	BS 6180:2011

TEST RESULTS:

Test Type	Target Load	Load Achieved	Maximum Displacement (mm)	Classification
Line Load	1.5 kN/m	1.5 kN/m	10.79	Pass
Infil Load	1.5 kN/m ²	1.5 kN/m ²	9.88	Pass
Point Load	1.5 kN	1.5 kN	9.82	Pass

ANALYSIS:

The testing, when carried out in the manner described in BS 6180:2011 on the day of testing, successfully achieved a loads of 1.5kN/m line load, 1.5kN/m² infill load and 1.5kN point load whilst not exceeding 25mm of deflection, deeming the test a pass. All testing was carried out in accordance with BS6180:2011.

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