

TEST CERTIFICATE

BALUSTRADE TESTING IN ACCORDANCE WITH BS 6180:2011



On behalf of Concord Glass
Lynx House, Waterloo Road, Marlethorpe, Lincolnshire, LN12 1LE

HORIZONTAL UDL SURFACE MOUNTED, 1000mm BALUSTRADE

TEST DESCRIPTION: A uniformly distributed load was applied to the balustrade system at a height of 1100mm to determine the deflection of the balustrade system when assembled. The balustrade system was installed by the client to their own specification.

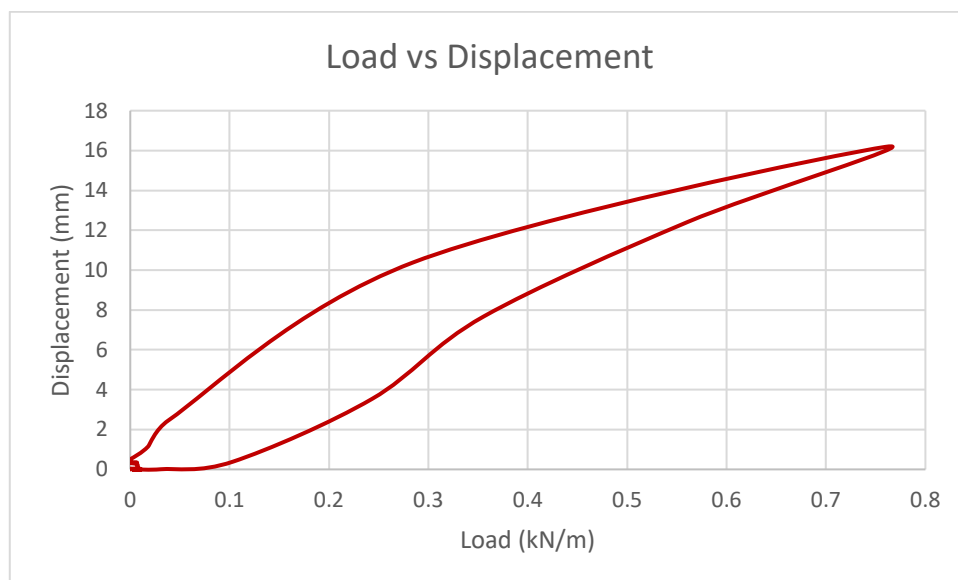
REF NO.: DR-5303 **DATE TESTED:** 15th February 2021
JOB NO.: P10057 **DATE REPORTED:** 15th February 2021
CERTIFICATE NO.: IC9799 **CERTIFICATE DATE:** 15th February 2021

TEST DETAILS:

Test Location: STS Testing Lab
Balustrade length: 1000mm
Details: 1-meter Raising Inox aluminium channel, 21.52mm laminated toughened glass (1000 x 1100mm) with 20.76mm wedges. Fixed into C90 concrete using M10 anchors fixed with Fischer FIS V 360 S resin.

TEST RESULTS:

Load (kN/m)	Maximum Displacement (mm)	Maximum Permanent Displacement (mm)
0.74	16.18	0.06



ANALYSIS:

The balustrade when assembled and tested in the manor indicated within this certificate conforms to BS6180:2011 the balustrade achieved a loading of 0.74kN/m with a maximum recorded displacement of 16.18mm.

Richard Clarke
NAME: Richard Clarke
POSITION: Junior Technician

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>

