

Glass Balustrade Load Test Certificate

Project:	Glass Balustrade Test
Project No.:	68018
Report No.:	68018/1
Client:	Origin Architectural Limited
Date Tested:	08/11/2022
Date Reported:	04/01/2023

Test Specification:	Proof load testing of balustrade in accordance with BS 6180: 2011, Table 2, loading case (ii). Horizontal Line Load of 0.74 kN/m; UDL to panel of 1.0 KN/m ² ; Point load of 0.5 kN.
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Notes:	Load applied incrementally in stages of 20% of the desired load
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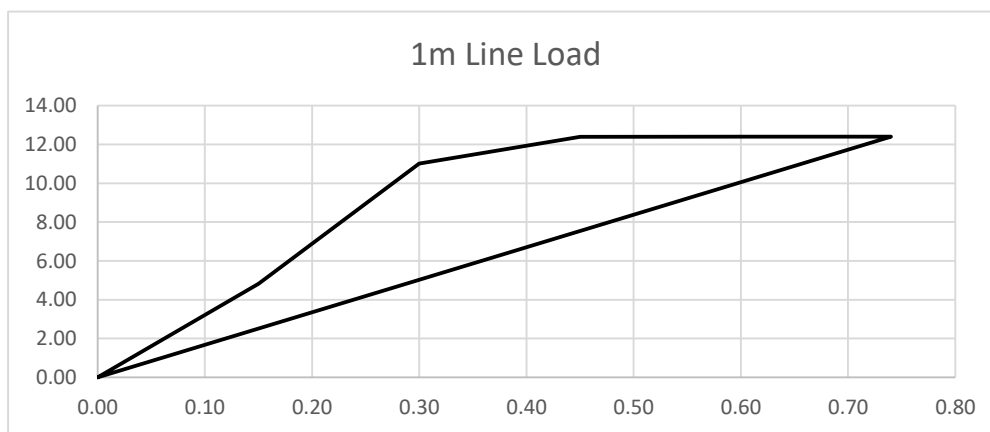
Test Engineers:	PR
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Balustrade Specification

Barrier Type:	Glass Balustrade
Panel Height (mm):	1400 17.5mm Toughened Laminate Glass
Panel Width (mm):	1400 17.5mm Toughened Laminate Glass
Panel Support:	6x Stainless steel point fixings with 50mm dia head and 10mm thick back plate. M10 fixing to concrete
Top rail :	None

Test Results

1m Line Load	
Load (kN)	Displacement (mm)
0.00	0.00
0.15	4.82
0.30	11.02
0.45	12.39
0.60	12.40
0.74	12.40
0.00	0.00



Deflection Limit	21.54
Test Summary:	Pass

