



TESTCONSULT LIMITED
11 Rufford Court, Woolston, Warrington, Cheshire, WA1 4RF
Tel. (01925) 286880 Fax. 01925) 286881



LABORATORY TEST REPORT FOR MS125
Horizontal Loading of Balustrades

Project : Balustrade Test	Job No.: 17327
Client : Makedoniki Panidis SA 11ht km Old National Road, Thessaloniki - Kilkis, PO Box 141, P.C. 57008	Date Tested: 24/05/2016
	Date Reported: 01/06/2016
	Material: Glass panel and aluminium supports
Originator: Giannis Laskaris	Specification: BS 6180:2011

Height of Balustrade (off finished floor)	1100 mm		
Glass panel dimensions	1000 mm x 1000 mm x 15 mm		
Distance between supports L	700 mm		
Intended use of Balustrade	See notes on report (2.3 Test Procedure)		
Maximum allowable deflection under line load	25 mm	Measured deflection	25 mm
Maximum allowable deflection uniformly distributed load	10.8 mm	Measured deflection	10.8 mm
Maximum allowable deflection point load	10.8 mm	Measured deflection	10.8 mm
Minimum imposed loads			
Line load at 1100 mm	See notes on report (2.3 Test Procedure)		
Uniformly distributed load	See notes on report (2.3 Test Procedure)		
Point load	See notes on report (2.3 Test Procedure)		

Line Load

Line Load / (kN/m)	Load / kN	Bar	Deflection /mm
0.00	0.00	0.00	0.00
0.080	0.08	1.23	2.42
0.16	0.16	2.46	4.89
0.240	0.24	3.69	6.85
0.32	0.32	4.92	8.08
0.400	0.40	6.15	10.48
0.48	0.48	7.38	13.90
0.560	0.56	8.62	15.92
0.64	0.64	9.85	18.82
0.720	0.72	11.08	21.92
0.80	0.80	12.31	24.20
0.840	0.84	12.87	25.00
0.00	0.00	0.00	1.40