

TESTING INSPECTION QUALITY MANAGEMENT

Sandberg LLP 40 Grosvenor Gardens London SW1W 0EB

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VERIFICATION OF PROTECTIVE BARRIER ELEMENT IN ACCORDANCE WITH BS 6180 : 1999 & BS 6399 PART 1 : 1996

Certificate:	26890/M/1 of 6		Test Date:		15 & 16 June 2004	
Samples Received: 14 th June 2004			Order Ref	:	Letter of Instruction Dated 19th May 2004	
Client: Ba		Address: 70 Maypole Road, Ashurst Wood, West Sussex, RH 19 3QY				
Barrier Identification, Arrangement and Location	Effective Span of Barrier Based on Full Width of Glass Panels	Test Arrangement		Deflection of Barrier under 0.74kN/m at Design Height*	Maximum Allowable Deflection of Barrier (L/65)	Comments
Balcony System Type "1" . Comprising three (8 mm) thick clear toughened straight glass infill panels. Sample Ref;- MK 237	2.80 Metres	Horizontal Uniformly Distributed Line Load of 0.74kN/m applied at Barrier Design Height		8.62 mm (0.85 mm permanent displacement)	25.0 mm	Balustrade Acceptable. Displacement within BS acceptance requirement.

(2) The above straight section of glazed balustrade, MK 237 complies with the displacement limits of BS 6180 : 1999 for HUDLL conditions.

Lab Form: met100b.wpd

For Sandberg LLP:

Report Date: 24th June 2004

Simon R P Morris - Engineer

Materials, samples and test specimens are retained for a period of 2 months from the issue of the final report.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.



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VERIFICATION OF PROTECTIVE BARRIER ELEMENT IN ACCORDANCE WITH BS 6180 : 1999 & BS 6399 PART 1 : 1996

Certificate:	26890/M/2 of 6		Test Date:		15 & 16 June 2004		
Samples Received:	Received: 14 th June 2004			Order Ref: Letter of Instruction Dated 19 th May 2004			
Client: Balcony (UK) Limited			Address: 70 Maypole Road, Ashurst Wood, West Sussex, RH 19 3QY				
Barrier Identification, Arrangement and Location	Effective Span of Barrier Based on Full Width of Glass Panel	Test Arrangement		Deflection of Barrier under 0.74kN/m at Design Height*	Maximum Allowable Deflection of Barrier (L/65)	Comments	
Balcony System Type "2" . Comprising three (8 mm) thick clear toughened straight glass infill panels. Sample Ref;- MK238	3.50 metres	Horizontal Uniformly Distributed Line Load of 0.74kN/m applied at Barrier Design Height		16.15 mm (0.97 mm Permanent Displacement)	25.0 mm	Balustrade Acceptable. Displacement within BS acceptance requirement.	

Remarks: (1) * Deflection based on the average of three loading cycles.

(2) The above straight section of glazed balustrade system, MK 238 complies with the requirements of BS 6180 : 1999 for H.U.D.L.L. conditions.

Lab Form: met100b.wpd

For Sandberg LLP:

Report Date: 24 June 2004

Simon R P Morris - Engineer

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