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

Certificate: 26890/M/3 of 6	Test Date: 15 & 16 June 2004			
Samples Received: 14 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	Test Arrangement	Deflection* of Glass Panel under Point Loading Conditions of 0.5 kN.	Maximum Allowable Deflection* (L/65)	Comments
Balcony System Type "1". Comprising three (8 mm) thick clear toughened straight glass infill panels. Sample Ref;- MK 237	Point Load Test on Glass infill Panel via 25 x 25 mm Square Indenter. Force of 0.5 kN applied at centre edge of panel.	9.25 mm (0.00 mm Permanent Displacement)	25.0 mm	Acceptable displacement under point load conditions
Remarks: (1) *Deflection based on the average of three loading cycles. (2) The above straight middle glass infill panel in balustrade MK 237 complies with the requirements of BS 6180 : 1999 under point loading conditions.				

Lab Form: met100b.wpd

For Sandberg LLP:

Report Date: 24 th June 2004

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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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Barrier Identification, Arrangement and Location	Test Arrangement	Deflection* of Glass Panel under Point Loading Conditions of 0.5 kN	Maximum Allowable Deflection* (L/65)	Comments
Balcony System Type "2". Comprising three (8 mm) thick clear toughened straight glass infill panels. Sample Ref;- MK 238	Point Load Test on Glass infill Panel via 25 x 25 mm Square Indenter. Force of 0.5 kN applied at centre edge of panel.	10.9 mm (0.1 mm Permanent Displacement)	25.0 mm	Acceptable displacement under point loading conditions
Remarks: (1) *Deflection based on the average of three loading cycles. (2) The above straight middle glass infill panel in balustrade MK 238 complies with the requirements of BS 6180 : 1999 under point loading conditions.				

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