

TESTING INSPECTION QUALITY MANAGEMENT

Sandberg LLP 40 Grosvenor Gardens London SW1W 0EB

Tel: 020 7565 7000 Fax: 020 7565 7100

email: ho@sandberg.co.uk web: www.sandberg.co.uk

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

| Certificate: | 26890/M/5 of 6 | | Test Date: | 15 & 16 June 2004 | | |
|---|--|--|------------|--|--|--|
| Samples Received: 14 June 2004 | | | Order Ref: | Letter of Instruction Dated 19th May 2004 | | |
| Client: Balcony (UK) Limited | | | Address: | 70 Maypole Road, Ashurst Wood, West Sussex, RH 19 3QY | | |
| Barrier Arrangement and Location | Test Arrangement Uniformly Distributed Load | Deflection* of Glass Panel under UDL Conditions of 0.36 kN force | | 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. | Test on Glass infill Panel via 600 x 600 mm square Indenter. Force of 1.0 kN m ² applied to centre of panel. | 3.0 mm (0.0 mm Permanent Displacement) | | 25.0 mm | Acceptable, displacement within BS requirement under uniformly distributed loading conditions. | |
| 7 7 | pased on the average of three loading traight middle glass infill panel in | ~ • | | with the requirements of BS 6180 | : 1999, under UDL loading | |

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.



TESTING INSPECTION QUALITY MANAGEMENT

Sandberg LLP 40 Grosvenor Gardens London SW1W 0EB

Tel: 020 7565 7000 Fax: 020 7565 7100

email: ho@sandberg.co.uk web: www.sandberg.co.uk

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

| Certificate: 26890/M/6 of 6 | | | Test Date: | 15 & 16 June 2004 | | |
|---|---|--|------------|--|--|--|
| Samples Received: | eceived: 14 June 2004 | | Order Ref: | Letter of Instruction Dated 19th May 2004 | | |
| Client: Balcony (UK) Limited | | | Address: | 70 Maypole Road, Ashurst Wood, West Sussex, RH 19 3QY | | |
| Barrier Arrangement and Location | Test Arrangement Uniformly Distributed Load | Deflection* of Glass Panel under UDL Conditions of 0.36 kN force | | 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. | Test on Glass infill Panel via 600 x 600 mm square Indenter. Force of 1.0 kN m ² applied to centre of panel | 3.8 mm (0.0 mm Permanent Displacement) | | 25.0 mm | Acceptable, displacement within BS requirement under uniformly distributed loading conditions. | |
| | pased on the average of three loadi traight middle glass infill panel in | | | vith the requirements of BS 6180 : | 1999, under UDL loading | |

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.