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LABORATORY TEST REPORT FOR MS125  
Horizontal Loading of Balustrades

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

|   |  |                     |         |
|---|--|---------------------|---------|
| 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           |
|                    |           |       |                |
|                    |           |       |                |