

FUGRO TECHNICAL SERVICES LIMITED

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MaterialLab



Client Ref. : --

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Report No. : 164441ST161011(5)

REPORT ON DETERMINATION OF THE EFFECTS OF DOOR SLAMMING ON A WALL PARTITION

Information Supplied by Client

Client : Fujian Jumbo New Material Corporation Limited.
Project : Testing of Gypsum Block
Sample Description : "JUMBO" Gypsum Block
Nominal Size : 600 mm x 500 mm x 100 mm (T)
Date Cast : 19 January 2017 to 27 January 2017
Density : 1100kg/m³±5%
Age : --

Anchor Description : Fischer SXRL10x80 M7x87 mm
Embedded Length : 50 mm
Screw Diameter : 7 mm

Laboratory Information

Lab. Sample I.D. : ST161011/2
Test Location : Kam Tin Laboratory of MaterialLab
Address of Test Location : DD111, Lot 3028, Wang Toi Shan Village, Pat Heung, Kam Tin, N.T.
Date Received : 19 January 2017
Date Tested : 08 February 2017
Test Method : BS 5234 : Part 2 : 1992, Annex F
Test Grade : Heavy Duty

Test Results

| Slam Cycle | Displacement of Door Frame (mm) | Observation |
|-------------------|---------------------------------|-------------|
| 0 | 0 | No damage |
| 3 (Pre-slam) | 0 | No damage |
| 0 | 0 | No damage |
| 20 | 0.06 | No damage |
| 40 | 0.08 | No damage |
| 60 | 0.08 | No damage |
| 80 | 0.06 | No damage |
| 100 | 0.07 | No damage |
| (after 5 minutes) | 0.07 | No damage |

Remarks : 1.) BS Requirement : Displacement for preslam ≤ 3 mm, Displacement for main test ≤ 1 mm, and the partition shall not be damaged nor door frame fittings and architraves become detached or loose.

2.) The test results relate only to the sample tested.

3.) The test results **comply** with HKHA SL 2012 MAS1.M210.6 2(d) vi and the acceptance requirements of BS 5234 : Part 2 : 1992, for Heavy duty grade.

4.) The test configuration are shown in the photographs on page 2 of this report.

Checked by : z Date : 28 FEB 2017 Certified by : K.T. Leung Date : 28 FEB 2017

Leung Kwok Tai, Stanley
Assistant Manager (Product Testing Laboratory)

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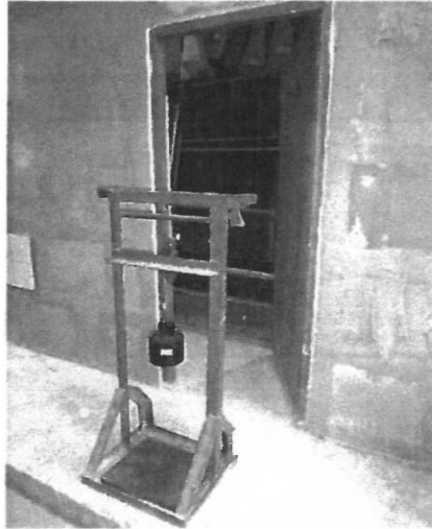
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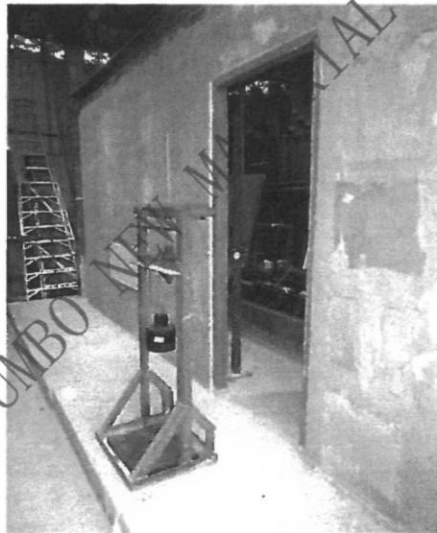
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Test Configuration
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Test Configuration
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****End of Report****