

Title:

The fire resistance performance of a single-acting, double-leaf, mild steel doorset in accordance with BS EN 1634-1: 2000

Report No:

167954

Prepared for:

GM Partitions Pvt. Ltd.
 Vill. Kurawala, P.O. Barotiwala.
 Tehsil Kasauli, Distt – SOLAN
 Himachal Pradesh 174103
 India

10th March 2008

Notified Body No:

0833



Summary

Objective

To determine the fire resistance performance of a single-acting, double-leaf, mild steel doorset, when tested, in accordance with BS EN 1634-1: 2000.

Test Sponsor

GM Partitions Pvt. Ltd. Vill. Kurawala, P.O. Barotiwala. Tehsil Kasauli, Distt – SOLAN, Himachal Pradesh 174103, India

Summary of Tested Specimen

For purposes of the test the left-hand leaf was referenced Door Leaf A and the right-hand leaf was referenced Door Leaf B.

The doorset had overall nominal dimensions of 2200 mm high by 2000 mm wide and incorporated two door leaves of overall nominal dimensions 2156 mm high by 965 mm wide. The doorset was of a mild steel construction with a Rockwool core, the door leaves were each hung on three steel hinges, Door Leaf A was inactive and held in place via two flush bolts, Door Leaf B incorporated a glazed unit fitted with a 6mm thick glass pane referenced 'Schott Jena Pyran S', a mild steel slam bar was fitted along the meeting edge of the leaves, on both the unexposed and exposed faces. The doorset was latched for the duration of the test and was installed such that is opened away from the heating conditions of the test.

Test Results:**Integrity performance**

Sustained flaming	123 minutes*
Gap gauge	115 minutes
Cotton Pad	57 minutes

Insulation performance

Area 1 (Doorset)	8 minutes
Area 2 (Glazing)	1 minute

Radiation Performance

The recorded radiation from the specimen exceeded the following levels as detailed below:

5 kW/m ²	48 minutes
10 kW/m ²	123 minutes*
15 kW/m ²	123 minutes*
20 kW/m ²	123 minutes*
25 kW/m ²	123 minutes*

* The test duration. The test was discontinued after a period of 123 minutes.

Date of Test

25th October 2007

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