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REPORT ON FIRE RESISTANCE TEST OF METAL DOORSET

Client : Faith Mark Consultants Ltd. / Vic-Form Co.,
Ltd. / Chuen Fung Wooden Doors Ltd. /
Yuhao Co., Ltd.(J.V.)

Project : Fire Resistance Test on Metal Doorset
in accordance with BS EN 1634-1: 2008

Client Ref. : --

Report No. : 144097FU140081

Date of Report Issue : 13 January 2015

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REPORT ON FIRE RESISTANCE TEST

1. Introduction

Fugro Technical Services (Guangzhou) Limited was commissioned by Faith Mark Consultants Ltd. / Vic-Form Co., Ltd. / Chuen Fung Wooden Doors Ltd. / Yuhao Co., Ltd. (J.V.) to determine the fire resistance performance of a single acting, double-leaf metal doorset with two glazed panels in accordance with BS EN 1634-1: 2008.

The doorset is required to provide a fire separating function and the test was therefore conducted in accordance with BS EN 1634-1: 2008, 'Fire resistance and smoke control tests for door, shutter and openable window assemblies and elements of building hardware – Part 1: Fire resistance tests for doors, shutters and openable windows'. This test report should be read in conjunction with that Standard and with BS EN 1363-1: 1999, 'Fire resistance tests – Part 1: General requirement' and BS EN 1363-2: 1999, 'Fire resistance tests – Part 2: Alternative and additional procedures'.

The specimen was received on 19 OCT 2014 and given a Lab. Sample I.D.: FU140081.

The test was conducted on 24 OCT 2014. The test was witnessed by Mr. H. F. Chan, Mr. Alex Au-yeung and Mr. H. P. Yang, the representative of Faith Mark Consultants Ltd. / Vic-Form Co., Ltd. / Chuen Fung Wooden Doors Ltd. / Yuhao Co., Ltd. (J.V.).

2. Summary

The performance of the specimen was judged against the criteria for integrity and insulation, as required by BS EN 1634-1: 2008, and the results obtained were as follows:

Integrity (E)	Sustained flaming	152 minutes, no failure
	Gap gauge	152 minutes, no failure
	Cotton pad	152 minutes, no failure
Insulation (Classification I ₁)	Door leaves / Door frame	148 minutes
	Glazed panel A	152 minutes, no failure
	Glazed panel B	152 minutes, no failure

The test was discontinued after a period of 152 minutes at the request of the client.

Approved Signatory:


Chan Chun Wai Ivan
Manager (Product Testing Laboratory)

Date of Report Issued : 13 January 2015

FU-R-40(31/05/2014)