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## **REPORT ON FIRE RESISTANCE TEST OF TIMBER DOORSET**

**Client** : Faith Mark Consultants Ltd.

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

**Client Ref.** : --

**Report No.** : 144097FU140100

**Date of Report Issue** : 14 May 2015

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## REPORT ON FIRE RESISTANCE TEST

### 1. Introduction

Fugro Technical Services (Guangzhou) Limited was commissioned by Faith Mark Consultants Ltd. to determine the fire resistance performance of a single acting, double-leaf timber 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 28 Dec 2014 and given a Lab. Sample I.D.:FU140100.

The test was conducted on 30 Dec 2014. The test was witnessed by Mr. H. F. Chan, the representative of Faith Mark Consultants Ltd.

### 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	262 minutes, no failure
	Gap gauge	262 minutes, no failure
	Cotton pad	262 minutes, no failure
Insulation (Classification I <sub>1</sub> )	Door leaves / Door frame	262 minutes, no failure
	Glazed panel A	262 minutes, no failure
	Glazed panel B	262 minutes, no failure

The test was discontinued after a period of 262 minutes at the request of the client.

Approved Signatory:

Chan Chun Wai Ivan  
Manager (Product Testing Laboratory)

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