



**CONFIDENTIAL**

**Report: Chilt/P09071/Rev1**

**Certificate report on the testing of a  
door to relevant clauses of DD171 and  
EN 1192**

**Issue date: June 2010**



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**Prepared for:  
Falcon Panel Products Ltd  
Clock House  
Station Approach  
Shepperton  
Middlesex  
TW17 8AN**

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# Certificate of Test: Chilt/P09071/Rev1

This certificate is awarded to:


**Falcon Panel Products Ltd**  
Clock House  
Station Approach  
Shepperton  
Middlesex  
TW17 8AN


This document confirms that performance testing was conducted from 13 August 2009 to 14 August 2009. Testing was conducted to the following standards:-

- DD 171: 1987, Draft for development Guide to specifying performance requirements for hinged or pivoted doors,
- BS EN 1192: 2000 Doors - Classification of strength requirements

Product tested	Falcon 44mm Strebord single leaf doorset
Summary of testing procedure	Result
DD171 Clauses 4.3, 4.4, 4.9, 4.10 and 4.11	Severe duty
EN947, EN948, EN949 and EN950 (classified to BS EN 1192)	Severe duty (Class 4)

The results relate only to the specimens tested, as detailed in the technical specification Chilt/P09071/tec1

  
Paul Andrews –  
Head of Section – Mechanical Testing  
Date: 9 June 2010

  
Vincent Kerrigan -  
Technical Manager  
Date: 09-06-2010

## Chiltern Dynamics

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## Technical specification document

No: Chilt/P09071/tec1

**Test For: Falcon Panel Products Ltd, Clock House, Station Approach, Shepperton, Middlesex. TW17 8AN**

Performance testing to clauses of DD171:1987 and clauses of BS EN 1192: 2000 was conducted on your doorset from 13 August 2009 to 14 August 2009. The technical specification is detailed below. The specimen was delivered to Chiltern Dynamics laboratory on 3 July 2009.

### Description of construction

The specimen was identified as Falcon 44mm Strebord single leaf doorset. The overall frame dimensions were 1014mm wide x 2120mm high x 76mm deep and leaf dimensions were 916mm wide x 2068mm high x 44mm thick. The specimen was non locking.

#### Door leaves

	Material/type	Dimensions (mm)	Density (kg/m <sup>3</sup> )
Core	44mm Strebord fine surface wood particleboard	44 thick	605**
Adhesive	PU adhesive	-	-
Lippings	Sapele on vertical edges	8 thick	640**
Finish	Bare Strebord	-	-

\* As stated by client, not checked by laboratory

\*\* Nominal density measured by laboratory

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## Door frame

	Material/type	Dimensions (mm)	Density (kg/m <sup>3</sup> )
Head & Jambs	Sapele	94 thick x 60 wide	640*
Stops	Sapele fixed at nominal 350mm centres and 50mm from corners with 4 x 40 wood screws	20 wide x 30 deep	640*
Threshold	None fitted	-	-
Joints	Mortise and tenon with PVA adhesive	-	-

\* As stated by client, not checked by laboratory

## Hardware

	Make/type	Size (mm)	Fixing details (dimensions in mm)
Hinges	Royde & Tucker 105 Hi load lift off hinges	98 high x 35 wide	3No 5 x 32 wood screws per blade
Latch mechanism	Dorma Door Controls Ltd 515 latch with 55mm back set	20 wide	Fixed with standard wood screws supplied with unit, 2No 3.5 x 30 wood screws
Keep	Dorma Door Controls Ltd Art 19 strike plate 24mm radiused design	75 high x 25 wide	Fixed with standard wood screws supplied with unit, 2No 4 x 20 wood screws
Handles	Dorma Premium 8100 lever handles Satino aluminium lever handles	120 lever length x 22 Diameter	2No M5 x 52 machine screws