



CONFIDENTIAL

Report: Chilt/P10102/01/AR1

**Certificate report on the testing of a
door to relevant clauses of
DD171, BS EN 947, BS EN 948, BS EN
949, BS EN 950 and BS EN 1191**

Issue date: November 2011



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**Prepared for:
Norsound Ltd
5 Regents Drive
Prudhoe
Northumberland
NE42 6PX**

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Results of Test: Chilt/P10102/01/AR1

Norsound Ltd

5 Regents Drive

Prudhoe

Northumberland

NE42 6PX

This document confirms that performance testing was conducted from 6 August 2010 to 25 October 2011. Testing was conducted to the following standards:-

- BS EN 1191:2000 Windows and doors- Resistance to repeated opening and closing. followed by
- 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. The following results were achieved

Product tested	TDSL Viscount Doorset (Inward Opening)
Summary of testing procedure	
DD171 Clauses 4.3, 4.4, 4.9, 4.10 and 4.11	Severe Duty
BS EN 947, BS EN 948, BS EN 949 and BS EN 950 (classified to BS EN 1192)	Severe Duty (Class 4)
BS EN 1191 (with classification according to BS EN 12400)	1,000,000 cycles (Class 8, Severe Duty)

The results relate only to the specimens tested, as detailed in the technical specification Chilt/P10102/tec1/AR1

The details of the sponsor of test report Chilt/P10102/01 are held on file by Chiltern International Fire Ltd. This report is additional to that issued as Chilt/P10102/01 and dated 2 November 2011 and the original report shall remain valid and is not replaced by the additional report.

S.T.S.T
Steve Smith – Deputy Section Head

Date: 02-11-2011

V. Kerrigan
Vincent Kerrigan - Technical Manager

Date: 02-11-2011

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Technical specification document

No: Chilt/P10102/tec1/AR1

Test For: Norsound Ltd, 5 Regents Drive, Prudhoe, Northumberland, NE42 6PX.

Performance testing to BS EN 1191:2000, clauses of DD171:1987 and BS EN 1192: 2000 was conducted on your doorsets from 6 August 2010 to 25 October 2011. The technical specification is detailed below. The specimens were delivered to Chiltern Dynamics laboratory on 15 July 2010.

Description of construction

The specimens were identical and identified as TDSL Viscount Doorsets (Inward Opening). The overall frame dimensions were 1019mm wide x 2293mm high x 90mm deep and leaf dimensions were 948mm wide x 2249mm high x 54mm thick. The specimens were non key locking.

Door leaf

	Material/type	Dimensions (mm)	Density (kg/m ³)
Core	Halspan core	54 thick	620-630*
Lippings	Sapele on all edges	6 thick	640*
Adhesive	PU*	-	-
Finish	Bare particle board	-	-

* As stated by client, not checked by laboratory

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Door frame

	Material/type	Dimensions (mm)	Density (kg/m ³)
Head & jambs	European Redwood	90 x 32	510*
Stops	European Redwood	32 x 12	510*
Stop fixings	4.5 x 30 screws 40 from corners and nominal centres of 270	-	-
Joints	Housed and fixed with 2No. 4.5 x 70 screws	-	-

* As stated by client, not checked by laboratory

Hardware

	Make/type	Size (mm)	Fixing details (dimensions in mm)
Hinges	3No. Cooke Brothers (Ref. CBTT30)*	102 x 30 blade size	5No. 4.5 x 30 screws into frame 5No. 4.5 x 45 screws into leaf
Locking mechanism	Eurospec (Ref. DLE7255EPSSS/R)**	165 x 82	2No. 4.5 x 30 screws
Centre keep	Supplied with lock	175 x 40	3No. 4 x 30 screws
Handles	Eurospec (Ref. LRF1190SSS)*	130 x 19ø	2No. 4 x 53 bolts fitted into receiver nuts and 4No. 4.2 x 12 screws

* As stated by client, not checked by laboratory

** lock was removed after 839,249 cycles

Perimeter sealing details

	Make/type	Size (mm)	Location
Door Edges	None present	-	-
Frame reveal	Norsound (Ref. NOR710) fitted in swipe mode	10 wide	Butted against door stop
	Norsound (Ref. NOR810S)	20 x 10	On bottom of door leaf
Seal continuity	Seals uninterrupted	-	-