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CONFIDENTIAL

Chilt/P06080/01

**Certificate report on the testing of a window to
relevant clauses of BS 6375 Part 1 & BS 6375 Part 2**

**Test For:
George Barnsdale & Sons Ltd
High Street
Donington
Spalding
Lincolnshire
PE11 4TA**

Date of issue: June 2006

Number of Pages: 5

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Test Certificate: Chilt/P06080

This certificate is awarded to:

George Barnsdale & Sons Ltd

High Street
Donington
Spalding
Lincolnshire
PE11 4TA

This document confirms that performance testing to BS 6375: Part 1: 2004 and BS 6375: Part 2: 1987 on your P2 Pivot window was conducted from 16 May 2006 to 18 May 2006 and the following results were achieved.

Summary of testing procedure		Result
BS 6375: Part 1: 2004	Air permeability	600 Pa
	Watertightness	300 Pa
	Wind resistance	2000 Pa
	Exposure category	2000 Special
BS 6375: Part 2: 1987, clauses A.2, A.3, A.5. and A.7		Pass

The results relate only to the specimens tested, as detailed in technical specification document number Chilt/P06080/tec1

Steve Smith – Test Engineer
Date: 13 June 2006

Vincent Kerrigan – Deputy testing manager
Date: 13 June 2006

Chiltern Dynamics

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Technical specification document

No: Chilt/P06080/tec1

Test For: George Barnsdale & Sons Ltd, High Street, Donington, Spalding, Lincolnshire, PE11 4TA.

Performance testing to BS 6375: Part 1: 2004 & BS 6375: Part 2: 1987 was conducted on your window from 16 May 2006 to 18 May 2006, and the technical specification is detailed below. The specimen was delivered to Chiltern Dynamics laboratory on 15 May 2006.

Description of construction

The specimen was identified as a P2 Pivot window with overall frame dimensions of 1200mm wide x 1200mm high x 68mm deep. The pivot casement dimensions were 1050mm wide 1085mm high x 68mm thick. The specimen was locked with a removable key.

Casement

	Material/type	Dimensions (mm)	Density (kg/m ³)
Stiles and rails	Nordic Scots pine	68 x 68	530*
Rebate	Double type	37 x 10 30 x 13	-
Joints	Comb	-	-
Adhesive	Resorcinol Phenol Formaldehyde	-	-

* Stated density, not checked by laboratory

** Nominal density

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Window frame

	Material/type	Dimensions (mm)	Density (kg/m ³)
Stiles	Nordic Scots pine	70 x 68	530*
Rails	Nordic Scots pine	60 x 68	530*
Rebate	Single type	35 x 11	-
Joints	Mortice and tenon	-	-
Adhesive	Resorcinol Phenol Formaldehyde	-	-

* Stated density, not checked by laboratory

** Nominal density

Hardware

	Make/type	Size (mm)	Fixing details (dimensions in mm)
Hinges	Hautau (Ref. 149395)	120 x 47	4No. 4 x 40 screws into casement 4No. 4 x 40 screws into frame
Locking mechanism	Hautau Multi point Espagnolette (Ref. 195770)	16 wide	14No. 4 x 40 screws
Keeps	6No. Hautau (Ref. 149476)	47 x 30	2No. 4 x 30 screws
Handles	Hautau (Ref. 149524)	155 x 20 x 18	2No. 5 x 36 machine screws

Perimeter sealing details

	Make/type	Size (mm)	Location
Casement edges	Hautau HD25 Special seals	22 wide	On rebate upstand
	Aquamac 21	10 wide	On rebate platform
Frame reveal	Exitex Aquamac (Ref. 5694)	12 wide	On rebate upstand only at top of frame
	Hautau HD25 (Ref. 131537)	22 wide	On rebate upstand only at top and sides of frame
Seal continuity	Seals uninterrupted	-	-

Glazing

	Make/type/size (mm)	Location (dimensions in mm)
Glass type & configuration	6 laminated glass, 16 spacer, 6 laminated glass	-
Overall size	948 wide x 962 high	-
Sight size	918 wide x 932 high	-
Packers	3 x 24 x 100 plastic packers	50 from all comers
Glazing bead	19 x 18 timber bead	Internally beaded
Bead fixings	24 x 1 glazing pins	30 from corners & centres of min. 85 and max. 130
Sealant	Hodgeson V9	Between glass and rebate upstand
	Silicone back fill	On all sides
Security tape	Hodgeson Flexibond	Between bead and glass