

Test Report

Sponsor:

Hansen Group Ltd
Greengate Industrial Park
Greenside Way
Middleton
Manchester
M24 1SW

CONFIDENTIAL

Report: BMT/MTP/F14173/02

Report on testing of a window to BS EN 1191

Issue date: October 2014



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BM TRADA – the new name for Chiltern International Fire Ltd

From July 1st 2013, Chiltern International Fire Ltd commenced trading under the name of its parent company BM TRADA and at the same time adopted a brand new visual identity.

Historically, the group has delivered its services through a number of individual companies: BM TRADA Certification Ltd, TRADA Technology Ltd, Chiltern International Fire Ltd (including Chiltern Dynamics) and a network of international offices. Both BM TRADA Group and these individual companies will now trade under the same name - BM TRADA - and adopt the new visual identity.

To coincide with this change, our Technical Reports, Test Reports, Products Assessments, company stationery and marketing collateral have been re-designed to carry the new branding and visual identity.

The validity of all documents previously issued by the individual companies including certificates, test reports and product assessments is unaffected by this change and a letter to this effect will be available to download from our website www.bmtradagroup.com.

About BM TRADA.

With origins dating back to 1934, we have a deep history and services which are highly valued by our customers. We offer independent certification, testing, inspection, training and technical services around the world. In all these areas we continue to use industry-leading experts in their chosen fields to develop and deliver services – an ethos that has been at the heart of our approach since we began.

A recent review of our businesses and customers revealed that the individual identities sometimes make communications confusing, and that in an already complex business area, clarity and simplicity in communications is rare, but valued. It also revealed that a single identity and combined offer would help us strengthen our appeal.

With this in mind, we brought the companies together under the name BM TRADA and took the opportunity to create a fresh new visual identity.

We have modernised our image and combined our strengths. However, our values, our people and the integrity of our services remain the same. I hope you will welcome these changes and the improvements they will bring.



Jon Osborn
Chief Operating Officer

Results of Test: BMT/MTP/F14173/02

Hansen Group Ltd
Greengate Industrial Park
Greenside Way
Middleton
Manchester
M24 1SW

This document confirms that performance testing was conducted from 23 July 2014 to 29 July 14. Testing was conducted to the following standard:

- BS EN 1191: 2000 Windows and doors resistance to repeated opening and closing.

The following results were achieved:

Product tested		TR1419 Hansen Millennium Tilt & Turn window	
Summary of testing procedure			Result
	Test Standard	Classification Standard	
Resistance to repeated opening and closing	BS EN 1191: 2000	BS EN 12400: 2002	Class 2 (10,000 Operations)

The results relate only to the specimens tested, as detailed in the technical specification



James Bacchus - Technical Officer

Vincent Kerrigan - Technical Manager
Issue date: 2nd October 2014

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Technical specification

Report: BMT/MTP/F14173/02

Test For: Hansen Group Ltd, Greengate Industrial Park, Greenside Way, Middleton, Manchester, M24 1SW

Performance testing BS EN 1191: 2000 was conducted on your window from 23 July 2014 to 29 July 2014. The technical specification is detailed below. The specimen was delivered to BM TRADA laboratory on 17 July 2014.

Description of construction

The specimen was identified as TR1419 Hansen Millennium Tilt & Turn window. The sample was configured as a single tilt and turn casement window. The overall frame dimensions were 1108mm wide x 2210mm high x 75mm deep. The casement dimensions were 1091mm wide x 2194mm high x 40mm thick. The specimen was locked with a removable key.

Casement

	Material/type	Dimensions (mm)
Stiles and rails	Hansen profile 42 (Ref. 423153)*	40 x 42
Rebate	Single type	40 x 18
Joints	Mitred and glued with 1No. SAPA (Ref. 183871)* cleat, 1No. SAPA (Ref. 183971)* cleat and 1No. SAPA (Ref. 180081)* chevron	-
Adhesive	Kent Quick-seal QS-b/Rotabond 2000*	-

* As stated by client, not checked by laboratory

Window frame

	Material/type	Dimensions (mm)
Stiles and rails	Hansen profile 42 (Ref. 421113)*	75 x 44
Rebate	Single type	58 x 32
Joints	Mitred and glued with 2No. SAPA (Ref. 182311)* chevrons and 2No. 4.8 x 32mm screws (Ref. 95651)*	-
Adhesive	Kent Quick-seal QS-b/Rotabond 2000*	-

*As stated by client, not checked by laboratory

Hardware

	Make/type	Size (mm)	Fixing details (dimensions in mm)
Hinged locking mechanism	Winkhaus GmbH activPilot select*	16 wide	5No. 3.9 x 13 self tapping screws & 7No. M4 x 12 machine screws into frame 52No. 3.9 x 20 self tapping screws
Keeps	15No. Winkhaus GmbH activPilot select (Ref. 60075)*	80 x 18	2No. M4 x 25 machine screws
Handles	FKS OKUCIA I DRZWIOWE Sp. Z o.o. (Ref. 1003 A)*	110 lever length	2No. M5 x 30 machine screws

* As stated by client, not checked by laboratory

Perimeter sealing details

	Make/type	Size (mm)	Location
Casement edges	Primo a/s (Ref. 160171)*	7 blade length	On rebate upstand
Frame reveal	Primo a/s (Ref. 160363)*	13 blade length	On rebate platform
Seal continuity	Uninterrupted by hardware	-	-

* As stated by client, not checked by laboratory

Glazing

	Make/type/size (mm)	Location (dimensions in mm)
Glass type & configuration	8 glass, 12 spacer, 8 glass	-
Overall size	1032 wide x 2132 high	-
Sight size	1008 wide x 2108 high	-
Packers	None present	-
Gaskets	Dow corning 895*	Around perimeter edge of glazing unit
	Primo a/s (Ref. 161101)*	Between glazing and rebate upstand
Sealants	None present	-
Glazing bead	Glazing bonded directly to casement (No beading)	-
Bonding	Glazing is bonded to casement using Norton PUR-Foam strip (Ref. V-2100)*	-

* As stated by client, not checked by laboratory

BM TRADA provides independent certification, testing, inspection, training and technical services around the world. We help customers large and small to prove their business and product credentials and to improve performance and compliance. With an international presence across many industry sectors, we offer a special focus and long history of technical excellence in supply chain certification, product certification and testing, and technical services to the timber, building, fire and furniture industries.



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