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Title:

The Fire Resistance Performance Of Two Specimens Of Single-Acting, Single-Leaf Doorsets, Incorporating Various Items Of Building Hardware In Accordance With BS EN 1634-1: 2008

Report No:

198682



Prepared for:

Dorma UK Ltd
Wilbury Way
Hitchin
Hertfordshire
SG4 0BA

Date:

19th May 2011

Notified Body No:

0833



0249

Summary

Objective To determine the fire resistance performance of two steel based, single-acting, single-leaf doorsets when tested in accordance with BS EN 1634-1: 2008.

Test Sponsor **Dorma UK Ltd**, Wilbury Way, Hitchin, Hertfordshire, SG4 0BA.

Summary of Tested Specimen For the purpose of the test the specimens were referenced 'Doorset A' and 'Doorset B'.

Both doorsets had overall dimensions of 2030 mm high by 915 mm wide and incorporated a door leaf of overall dimensions 1981 mm high by 833 mm wide by 45 mm thick. Both door leaves comprised a paper honeycomb core and 1.2 mm thick 'Zintec' mild steel faces. The leaves were hung within steel door frames on three stainless steel hinges.

Doorset A was fitted with a stainless steel Dorma UK Ltd. lockset referenced 'Dorma lock 281' and Doorset B was fitted with a stainless steel Dorma UK Ltd. lockset referenced 'Dorma lock 381a'.

Both doorsets were fitted with stainless steel Dorma UK Ltd. cylinders, referenced 'Dorma Profilcylinder PC 51 / 30-30', stainless steel Dorma UK Ltd. lever handlesets, referenced 'PLUS 8100', and Dorma UK Ltd. overhead closers referenced 'TS 93 G EN 5-7'.

Both doorsets were installed such that they opened towards the heating conditions of the test and were latched for the duration of the test.


Test Results:		Doorset A	Doorset B
Integrity performance	Sustained flaming	9 minutes	264 minutes*
	Gap gauge	264 minutes*	264 minutes*
	Cotton Pad	9 minutes	70 minutes
Insulation performance		8 minutes	7 minutes


*The test duration. The test was discontinued after a period of 264 minutes.

Date of Test 8th December 2010.

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* For and on behalf of **Exova Warringtonfire**.

Report Issued
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