



INTERNATIONAL FIRE CONSULTANTS LTD



Ref: lett2008/hw/cm/Vetrotech2210/#9359

By post and email: Klaus.Wildenhain@saint-gobain.com

22 October 2008

Mr K Wildenhain
Vetrotech Saint-Gobain International AG
Stauffacherstrasse 128
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Switzerland

Dear Klaus

Determination of the fire resistance in accordance with EN1364-1 of an E30 CFL30 Alumil glazed screen

I write to confirm that a fire resistance test on an E30 CFL30 Alumil glazed screen was performed on Friday 10 October 2008. The test was carried out in accordance with European Standard EN 1364-1 at the IFT+S fire laboratory in Berne, Switzerland (IFTS Laboratory test reference: A0804005).

The test was overseen by Mr J.C.A. van de Weijert from International Fire Consultants Ltd, United Kingdom.

We would confirm that you have commissioned International Fire Consultants Ltd (IFC) to prepare a test report for the Alumil glazed screen with solid panels and a Contraflam Lite 30 glass pane.

Due to the extent of technical data and test evidence involved, we are not at present in a position to complete the formal Test Report.

Whilst this letter does not constitute a test report, it is issued to confirm our intent to provide a test report of the E30 CFL30 Alumil glazed screen. This letter should not, in isolation, be used to demonstrate compliance with Building Codes or Regulations, and is valid for 30 working days, or until the formal Test Report (to be numbered IFCI/08009) is issued, whichever is the sooner.

The full details of the E30 CFL30 Alumil glazed screen will be described in the Test Report, but, for clarification, the following represents a summary of the tested glazed screen and the test results.

Tested construction

The test was performed on a glazed screen constructed using Alumil aluminium sections, four calcium silicate panels and a Contraflam Lite 30 glass pane. The tested construction had overall dimensions 2960mm wide by 3176mm high.

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The glazed screen was constructed using Alumil M10910 and Alumil M10918 hollow aluminium sections, steel strip clamping profiles and aluminium cover strips. One large triangular aperture was glazed with an E30 Contraflam Lite 30 fire resistant glass pane. The other apertures were filled with panels. The panel core was a 10mm thick Promatect-H calcium silicate board sandwiched between two 1.5mm thick blank mild steel sheets.

Test results

The test specimen was heated for 43 minutes. After a heating time of 42 minutes flames emerged from the vertical edge of the large glass pane.

Criterion	The requirements of the standard were satisfied for the following times (in minutes)
	EN 1364-1: 1999
1. Integrity (E)	42
2. Thermal insulation (I) with respect to temperature	22 *)

Table 10.1

*) The thermocouples applied for maximum temperature rise
The maximum allowed temperature rise of 180°C was exceeded at Tc 8 after a heating time of 22 minutes and 30 seconds.

The thermocouples applied for average temperature rise (Tc 2, 5, 6, 7 and 8)
The maximum allowed average temperature rise of 140°C was exceeded after a heating time of 22 minutes.

We trust that this is of assistance at this time.

Yours faithfully



p.p. J C A van de Weijgert
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