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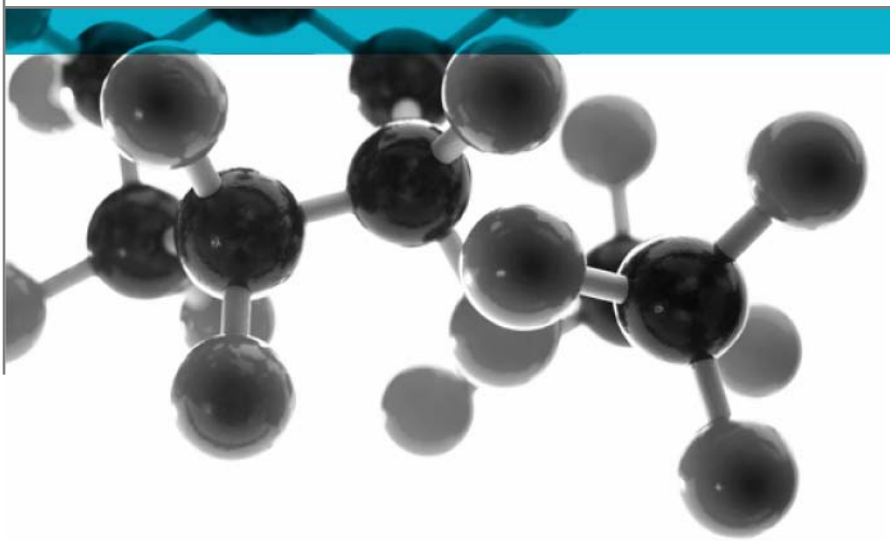
Class 0 Summary Report



Including Opinion Of Compliance With The Requirements For A Class 0 Surface As Defined In Paragraph A13(b) Of Approved Document B (Volumes 1 & 2), (2006 Edition) 'Fire Safety' To The Building Regulations 2000

A Report To: Synergy Thrislington

Document Reference: 303185 & 303186

Date: 12th January 2010

Issue No.: 1

Testing
Advising
Assuring

Executive Summary

Objective

To assess the results of tests to BS 476:Part 6:1989+A1: 2009 and BS 476:Part 7:1997, obtained on specimens of the following product and to provide an opinion of compliance with the requirements for a Class 0 surface, as defined in Approved Document B to the Building Regulations 2000.

Generic Description	Product reference	Thickness	Weight per unit area or density
Galvanized steel casing with a rockwool core	"Rockwool panel"	50mm* & 80.7mm*	37.64kg/m^{2*}
Individual components used to manufacture composite:			
Steel	Unable to provide	1mm	Not stated
Core	Unable to provide	48mm* & 78.5mm*	144kg/m^3
*** Determined by Exova Warringtonfire**			
Please see page 5 of this test report for the full description of the product tested			

Test Sponsor

Synergy Thrislington, Village-Beerplassi, P.O. Manjholi, Tehsil Nalagarh, Distt. Solan (Himachal Pardesh), Pin – 174101, India

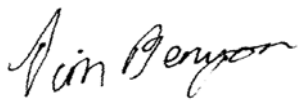
Opinion:

We consider the results of the tests to BS 476:Part 6:1989+A1: 2009 and BS 476:Part 7: 1997, demonstrate that the product, as tested, complies with the requirements for Class 0, as defined in paragraph A13(b) of Approved Document B, `Fire Safety', to the Building Regulations 2000.

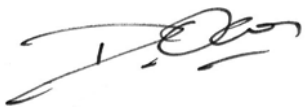
Date of Test

21st December 2010

Signatories



Responsible Officer
T. Benyon *
Technical Officer



Approved
D. J. Owen *
Senior Technical Officer

Authorised
C. Dean *
Operations Manager

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

Report Issued: 12th January 2011

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Test Details

Terms Of Reference

To assess the results of tests to BS 476:Part 6:1989+A1: 2009 and BS 476:Part 7:1997, obtained on specimens of a product and to provide an opinion of compliance with the requirements for a Class 0 surface, as defined in Approved Document B to the Building Regulations 2000.

Introduction

Specimens of a product have been tested in accordance with the test methods specified in BS 476: Part 6: 1989+A1: 2009 'Method of test for fire propagation for products' and BS 476: Part 7: 1997 'Method of test to determine the classification of the surface spread of flame of products'. The results of the tests are fully reported in the **Exova Warringtonfire** test reports No's 303185 and 303186.

This summary test report has been prepared at the request of the sponsor and relates the results of the tests to the requirements for a Class 0 surface of a material or composite product, as defined in paragraph A13(b) of Approved Document B, `Fire Safety', to the Building Regulations 2000.

This summary should be read in conjunction with, and not accepted as a substitute for, the **Exova Warringtonfire** test reports No's 303185 and 303186. Those test reports may include additional information which may be relevant to the assessment of the potential fire hazard of the product.

Face subjected to tests

The specimens were mounted in the test positions such that one of two identical faces was exposed to the heating conditions of the tests.

Results of test

The following results were obtained for the specimens, which were tested.

BS 476: Part 6: 1989

Fire propagation index, I	= 0.0
subindex, i_1	= 0.0
subindex, i_2	= 0.0
subindex, i_3	= 0.0

BS 476: Part 7: 1997

Class 1 surface spread of flame

The test results relate only to the behaviour of the test specimens of the product under the particular conditions of the test, they are not intended to be the sole criterion for assessing the potential hazard of the product in use.

Description of Test Specimens

The description of the specimens given below has been prepared from information provided by the sponsor of the test. All values quoted are nominal, unless tolerances are given.

General description		Galvanized steel casing with a rockwool core
Name of manufacturer		Synergy Thrislington
Trade name / product reference		"Rockwool panel"
Overall weight per unit area of composite		37.64kg/m^2 (determined by **Exova Warringtonfire**)
Overall thickness of composite		**EWF No: 303185** 50mm (determined by **Exova Warringtonfire**) In accordance with the standard, the maximum thickness of specimen that can be tested, to BS 476: Part 6:1989+A1:2009, is 50mm. If the normal thickness of a specimen exceeds 50mm, it is necessary to reduce the thickness of the specimen to a maximum of 50mm. Therefore, for the purpose of the test, specimens with a thickness of 50mm were submitted by the sponsor. **EWF No: 303186** 80.7mm (determined by **Exova Warringtonfire**) The product is usually produced at a thickness of 80mm. Therefore, for the purpose of the test, specimens with a thickness of 80mm were submitted by the sponsor as there were no constraints imposed by the test equipment.
Product configuration		• Galvanized steel (Test face) • Core • Galvanized steel (Reverse face) • Galvanized steel (Edging)
Steel	Product reference	**See Note 1 below**
	Generic type	Galvanized steel
	Name of manufacturer	Tata Steel
	Thickness	1mm
	Flame retardant details	This component is inherently flame retardant
Core	General description	Rockwool
	Trade name / product reference	**See Note 1 below**
	Name of manufacturer	Thermocare Rockwool (I) Pvt. ltd
	Thickness	48mm & 78.5mm (determined by **Exova Warringtonfire**)
	Colour	"Yellow" (observed by **Exova Warringtonfire**)
	Density	144kg/m^3
	Flame retardant details	**See Note 1 below**

Note 1: The sponsor of the test was unable to provide this information.

Classification

Opinion

We consider the results of the tests detailed above demonstrate that the product, as tested, complies with the requirements for Class 0, as defined in paragraph A13(b) of Approved Document B, `Fire Safety', to the Building Regulations 2000.

Validity of opinion

This opinion is based on the requirements of the Building Regulations at the date of this report. If the Building Regulations are revised or amended in any way subsequent to that date, care must be taken to ensure that this opinion is not invalidated by those revisions or amendments.

The opinion has been formulated on the assumption that the specimens are representative of the product in practice. **Exova Warringtonfire** was not involved in any sampling or selection procedures which would confirm this or in any audit testing which would provide confidence in the consistency of the product in the tests.

Revision History

Issue No :	Issue Date:
Revised By:	Approved By:
Reason for Revision:	

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