

classification report



Title:

CLASSIFICATION OF
REACTION TO FIRE
PERFORMANCE
IN ACCORDANCE WITH
EN 13501-1: 2002

Notified Body No:

0833

Product Name:

SKYFOLD Panel

Report No:

163769

Issue No:

1

Prepared for:

Railtech Ltd, 325 Lee, Baie D,
Urfe, Quebec, H9X3S3,
Canada

Date:

20th April 2007

1. Introduction

This classification report defines the classification assigned to 'SKYFOLD Panel', a wall panel comprising a galvanised steel face sheet / adhesive / paper honeycomb core / adhesive / galvanised steel back sheet, in accordance with the procedures given in EN 13501-1:2002.

2. Details of classified product

2.1 General

The product 'SKYFOLD Panel', a wall panel comprising a galvanised steel face sheet / adhesive / paper honeycomb core / adhesive / galvanised steel back sheet, is defined as being suitable for wall or ceiling applications.

2.2 Product description

The product, 'SKYFOLD Panel', a wall panel comprising a galvanised steel face sheet / adhesive / paper honeycomb core / adhesive / galvanised steel back sheet, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

Trade name / product reference		"SKYFOLD Panel"
General description		A wall panel comprising a galvanised steel face sheet / adhesive / paper honeycomb core / adhesive / galvanised steel back sheet.
Overall thickness		19 mm (3/4")
Overall weight per unit area / density		See Note 1 Below
Name of manufacturer / supplier		Railtech Ltd.
Galvanised Steel Face Sheet	Trade name / product reference	See Note 1 Below
	Generic type	
	Name of manufacturer	
	Thickness	0.8 mm (0.032")
	Density / weight per unit area	See Note 1 Below
	Preparation details	See Note 2 Below
Adhesive	Trade name / product reference	See Note 1 Below
	Generic type	2 Part Component Epoxy
	Name of manufacturer	See Note 1 Below
	Application rate	
	Application method	
Flame retardant details	See Note 3 Below	
Paper Honeycomb Core	Product reference	See Note 1 Below
	Generic type	
	Name of manufacturer	
	Thickness	See Note 1 Below
	Density / weight per unit area	See Note 2 Below

	Cell diameter	9.53mm (3/8")
	Wall thickness	See Note 2 Below
	Flame retardant details	See Note 3 Below
Adhesive	Trade name / product reference	See Note 1 Below
	Generic type	2 Part Component Epoxy
	Name of manufacturer	See Note 1 Below
	Application rate	
	Application method	
Flame retardant details	See Note 3 Below	
Galvanised Steel Back Sheet	Trade name / product reference	See Note 1 Below
	Generic type	
	Name of manufacturer	
	Thickness	0.457mm (0.018")
	Density / weight per unit area	See Note 1 Below
	Preparation details	See Note 2 Below
Brief description of manufacturing process of panel		See Note 2 Below
Airspace details		A 40mm ventilated cavity was situated between the reverse face of the specimen and the substrate.
Substrate details		12mm thick standard grade non-treated particle board having a density of 680kg/m ³

Note 1 : The sponsor of the test has provided this information but at the specific request of the sponsor, these details have been omitted from the report and are instead held on the confidential file relating to this investigation.

Note 2 : The sponsor was unwilling to provide this information.

Note 3 : The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the product / component.

3. Test reports/extended application reports & test results in support of classification

3.1 Test reports/extended application reports

Name of Laboratory	Name of sponsor	Test reports/extended application report Nos.	Test method / extended application rules & date
Bodycote warringtonfire	Railtech Ltd	WF 162815	EN 13823
Bodycote warringtonfire	Railtech Ltd	WF 162988	EN ISO 11925-2

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN ISO 11925-2 (15s exposure – surface of embossed face)	F _s	6	0	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (15s exposure – edge of embossed face)	F _s	6	0	Compliant
	Flaming droplets/ particles		None	Compliant
EN 13823	FIGRA _{0.2MJ}	3	80.32	Compliant
	THR _{600s}		6.00	Compliant
	LFS		N	Compliant
	SMOGRA		12.49	Compliant
	TSP _{600s}		100.25	Compliant

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 10 of EN 13501-1:2002

4.2 Classification

The product, 'SKYFOLD Panel', a wall panel comprising a galvanised steel face sheet / adhesive / paper honeycomb core / adhesive / galvanised steel back sheet, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s2

The additional classification in relation to flaming droplets / particles is:

d0

The format of the reaction to fire classification for construction products excluding floorings is:

Fire Behaviour		Smoke Production			Flaming Droplets	
B	-	s	2	,	d	0

i.e. **B – s2 , d0**

Reaction to fire classification: B – s2, d0

4.3 Field of application

This classification is valid for the following end use applications:

- i) Wall or Ceiling Applications, mounted with or without an air gap, on to any substrate with a density equal to or greater than 680kg/m³, with a minimum thickness of 12mm and a fire performance of D or better.

This classification is also valid for the following product parameters:

Product thickness	No variation allowed
Facing	No variation allowed
Adhesive	No variation allowed
Core	No variation allowed
Reverse face	No variation allowed
Product construction	No variation allowed

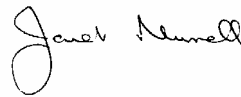
SIGNED



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APPROVED



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