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Testing. Advising. Assuring.

Title:

CLASSIFICATION OF
REACTION TO FIRE
PERFORMANCE
IN ACCORDANCE WITH
EN 13501-1: 2007

Notified Body No:

0833

Product Name:

“Hardiebacker 250®”

Report No:

189385

Issue No:

1

Prepared for:

James Hardie BV
Atrium Building 8th Floor
Strawinskylaan 3077
1077 ZX Amsterdam
The Netherlands

Date:

15th January 2010

1. Introduction

This classification report defines the classification assigned to "Hardiebacker 250[®]", a fibre cement board, in accordance with the procedures given in EN 13501-1:2007

2. Details of classified product

2.1 General

The product, "Hardiebacker 250[®]", a fibre cement board, is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The product, "Hardiebacker 250[®]", a fibre cement board, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description	Fibre cement based board
Product reference	"Hardiebacker 250 [®] "
Detailed composition details	Sand, Portland cement, non-asbestos fibres and additives
Name of manufacturer	James Hardie [®] Building Products
Thickness	6mm (stated by sponsor) 6.5mm (determined by Exova Warringtonfire)
Density	Saturated density between 1450 & 1750kg/m ³ (stated by sponsor) 1059.52kg/m ³ (determined by Exova Warringtonfire)
Colour reference	"Buff"
Flame retardant details	See Note 1 below
Brief description of manufacturing process	Manufactured by the Hatscheck process and cured by high pressure steam autoclaving. Product is water jet trimmed to target dimensions. Product is packaged and stacked for sale.

Note 1 – The sponsor was unwilling to provide this information.

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
Exova warringtonfire	James Hardie BV	WF 190100	EN ISO 1182
Exova warringtonfire	James Hardie BV	WF 189192	EN ISO 1716

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN ISO 1182	ΔT	5	9.1	Compliant
	Δm		14.57	Compliant
	t_f		Nil	Compliant
EN ISO 1716	PCS (a), (e)	3	0.96739	Compliant

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 8 of EN 13501-1:2007

4.2 Classification

The product, "Hardiebacker 250[®]", a fibre cement board, in relation to its reaction to fire behaviour is classified:

Reaction to fire classification: A1

4.3 Field of application

This classification is valid for the following end use applications:

- i) Wall and ceiling applications
- ii) Used over any substrate

This classification is also valid for the following product parameters:

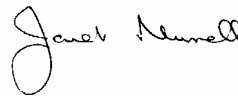
Product thickness	Any thickness allowed
Product density	No variation allowed
Product composition	No variation allowed

SIGNED



.....
Matthew Dale
Technical Officer
Technical Department

APPROVED



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Janet Murrell
Technical Manager
Technical Department
on behalf of:
Exova Warringtonfire

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