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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 500®”

Report No:

189385

Issue No:

1

Prepared for:

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

Date:

8th January 2010

1. Introduction

This classification report defines the classification assigned to “Hardiebacker 500®”, 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 500®”, 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 500®”, 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 lining board
Product reference	“Hardiebacker 500® backerboard”
Detailed composition details	Sand, Portland Cement, non-asbestos fibres, and additives.
Name of manufacturer	James Hardie Building Products
Density	Saturated 1450 – 1750 kg/m ³ (stated by sponsor) Dry 992 kg/m ³ (determined by Exova Warringtonfire)
Colour reference	Grey
Flame retardant details	See Note 1
Brief description of manufacturing process	Hatscheck process for fibre cement

Note 1: 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	James Hardie BV	WF 158797	EN ISO 1182
Bodycote warringtonfire	James Hardie BV	WF 189193	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	12.4	Compliant
	Δm		14.7	Compliant
	t_f		Nil	Compliant
EN ISO 1716	PCS (1), (4)	3	0.9775	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 500®", 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:

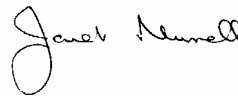
Product thickness	Any thickness allowed
Product density	No variation allowed
Product composition	No variation allowed

SIGNED



.....
Matthew Dale
Technical Officer
Technical Department

APPROVED



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

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