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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:

Unpainted Hardiplank and Hardipanel

Report No:

184740

Issue No:

2

Prepared for:

James Hardie Europe B.V,
Atrium 8th Floor,
Strawinskylaan 3, 077 1077,
ZX Amsterdam,
The Netherlands

Date:

8th July 2009

1. Introduction

This classification report defines the classification assigned to unpainted Hardiplank and Hardipanel, fibre cement based board or cladding, in accordance with the procedures given in EN 13501-1:2007

2. Details of classified product

2.1 General

The product, Hardiplank and Hardipanel, unpainted fibre cement based board or cladding, is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation in building and construction.

2.2 Product description

The product, Hardiplank and Hardipanel, unpainted fibre cement based board or cladding, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General Description	Unpainted, fibre cement board based cladding or board
Overall thickness	Any
Overall density/ weight per unit area	1300kgm^{-3}
Product Reference	Hardiplank lap siding or Hardipanel
Generic type of cladding	Fibre cement based board
Manufacturer	James Hardie® Building Products
Trade name	Hardiplank lap siding and Hardipanel
Generic type	Fibre cemet based board
Manufacturer	James Hardie® Building Products
Full composition details	Sand, Portland Cement, non-asbestos fibres, and additives.
Thickness	Any
Density	Saturated density :1450kgm^{-3} – 1750kgm^{-3}
Flame retardant details	See Note 1 Below
Description of manufacturing process	Manufactured by the Hatschek process and cured by high pressure steam autoclaving. Product is water jet trimmed to target dimensions prior to autoclaving.

Note 1 : The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of this product.

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 Report Ref. Nos	Test Method
warringtonfire	James Hardie Europe BV	WF 158939	EN 1716
warringtonfire	James Hardie Europe BV	WF 158938	EN 1182

3.2 Test results

Test Method	Parameter	Number of tests	Results	
			Continuous Parameter - mean (m)	Compliance Parameters
EN ISO 1182	Max Temp. Rise	5	26.3	Compliant
	Duration of Flaming		0	Compliant
	Mass Loss (%)		15.7	Compliant
EN ISO 1716	PCS ≤ 3,0 MJ/kg (1) PCS ≤ 4,0 MJ/ m² (2) PCS ≤ 4.0 MJ/m² (3) PCS ≤ 3,0 MJ/kg (4)			
	MJ/kg (1) and (4)	3	0.7676	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 13501-1:2007.

4.2 Classification

The product, Hardiplank and Hardipanel, unpainted coated fibre cement based board or cladding, in relation to its reaction to fire behaviour is classified:

Reaction to fire classification: A1

4.2 Field of application

This classification is valid for the following end use applications:

- Wall and ceiling application

This classification is also valid for the following product parameters:

- Product Thickness — Any
- Coatings — None
- Colour — Natural
- Product Density — Saturated density 1300(+/- 10%) kg/m^3
- Fixings — Mounted on metal or wooden battens
- Insulation — Any

SIGNED

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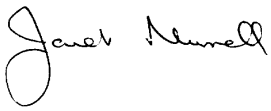
Matthew Dale
Certification Officer
Technical Department

APPROVED



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Janet Murrell
Technical Manager
Technical Department
on behalf of **warringtonfire**