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Testing. Advising. Assuring.

Title:

CLASSIFICATION OF
REACTION TO FIRE
PERFORMANCE
IN ACCORDANCE WITH
EN 13501-1:2007+A1: 2009.

Notified Body No:

0833

Product Name:

"Medite Premier – Euro B"

Report No:

WF 345947

Issue No:

2

Prepared for:

Medite Europe Limited
Redmondstown
Clonmel
County Tipperary
Ireland

Date:

28th November 2014



1. Introduction

This classification report defines the classification assigned to “Medite Premier – Euro B”, a flame retardant grade medium density fibreboard, in line with the procedures given in EN 13501-1:2007+A1: 2009.

2. Details of classified product

2.1 General

The product, “Medite Premier – Euro B”, a flame retardant grade medium density fibreboard, is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The product, “Medite Premier – Euro B”, a flame retardant grade medium density fibreboard, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

Generic type	Flame Retardant grade Medium Density Fibre Board
Product reference	“Medite Premier – Euro B”
Timber species	Spruce & pine
Thickness	12 -18mm
Density / weight per unit area	630Kg/m ³
Trade name of adhesive	See note 1 below
Name of manufacturer / supplier	Medite Europe Ltd
Trade name of flame retardant	See note 1 below
Generic type of flame retardant	Inorganic Phosphate
Amount of flame retardant	See note 1 below
Brief description of manufacturing process	The wood chips are ground into fibre under steam pressure. Then the liquid resin, flame retardant chemical and wax sizing agent are added, dried and the fibre is formed into a mat. This is then pressed under heat and pressure to form the MDF panel.
Mounting and fixing details	The product was installed with a 40mm airspace and backed by a 12mm thick calcium silicate based board having an oven dry density of 870kg/m ³ .

Note 1 The sponsor has provided this information but at their specific request has been omitted from the test report. This information is held on Exova Warringtonfire’s confidential file relating to this investigation

3. Test reports test results in support of classification

3.1 Test reports

Name of Laboratory	Name of sponsor	Test reports/extended application report Nos.	Test method / extended application rules & date
Exova warringtonfire	Medite Europe	WF 345919	EN ISO 11925-2
Exova warringtonfire	Medite Europe	WF 345557, 341519	EN 13823

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN ISO 11925-2 (30s exposure - surface)	F _s	6	Nil	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (30s exposure - edge)	F _s	6	Nil	Compliant
	Flaming droplets/ particles		None	Compliant
EN 13823	FIGRA _{0.2MJ}	3	115.12, 96.15	Compliant
	FIGRA _{0.4MJ}		98.32, 86.54	Compliant
	THR _{600s}		4.62, 4.01	Compliant
	LFS		None	Compliant
	SMOGRA		2.75, 1.99	Compliant
	TSP _{600s}		49.08, 48.33	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+A1:2009.

4.2 Classification

The product, "Medite Premier – Euro B", a flame retardant grade medium density fibreboard, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s1

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

d0

The format of the reaction to fire classification for construction applications, excluding flooring and linear pipe thermal insulation is:

Fire Behaviour		Smoke Production			Flaming Droplets	
B	-	s	1	,	d	0

i.e. **B – s1 , d0**

Reaction to fire classification: B – s1 , d0

4.3 Field of application

This classification is valid for the following end use applications:

- i) Construction applications used over any substrate with a density equal to or greater than 870kg/m^3 , having a minimum thickness of 12mm and a fire performance of A2 or better (excluding paper faced gypsum plasterboard).
- ii) Construction applications installed with a minimum airspace of 40mm.

This classification is also valid for the following product parameters:

Product thickness	No variation allowed
Product weight per unit area	No variation allowed
Product colour/pattern	No variation allowed
Product composition	No variation allowed
Product construction	No variation allowed

SIGNED

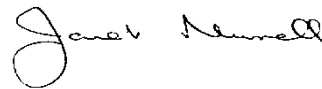


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APPROVED



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