

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

Sponsor	Moso International B.V. De Marowijne 43 NL-1689 AR ZWAAG The Netherlands
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Notified Body no.	1234
Product name	BAMBOO X-TREME™ DECKING
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This classification report consists of four pages and may only be used in its entirety.

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1. Introduction

This classification report defines the classification assigned to **BAMBOO X-TREME™ DECKING** in accordance with the procedures given in EN 13501-1:2007+A1:2009.

2. Details of classified product

2.1 General

The product, **BAMBOO X-TREME™ DECKING**, is defined as a floor covering.

2.2 Product description

The product is:

- Compressed bamboo into a high density and heat treated board,
- Density: 1200 kg/m³,
- Board dimensions: 1850 x 137 x 20 mm,
- Top surface:
 - ribbed: 7 ribs, equally spread over a width of approx. 87 mm in the centre of the board, depth: approx. 2 mm,
 - flat: Surface finish: oil woca.

The product has a total thickness of 20 mm, a density of approx. 1200 kg/m³ and a mass per unit area of approx. 24 kg/m².

2.3 Manufacturer/Importer

Moso International B.V.
De Marowijne 43
NL-1689 AR ZWAAG
The Netherlands

3. Test reports & test results in support of classification

3.1 Test reports

Name of Laboratories	Name of sponsor	Test reports	Test method
Efectis Nederland BV The Netherlands	Moso Int. B.V. The Netherlands	2011-Efectis-R0658 2011-Efectis-R0659	EN ISO 11925-2:2010 EN ISO 9239-1:2002

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance parameters
EN-ISO 11925-2 surface flame impingement	F _s ≤150 mm	6	38	-
	Ignition of filter paper		-	Compliant
EN ISO 9239-1				
Ribbed top surface Parallel direction	Critical Heat Flux [kW/m ²]	3	9.9	-
	Smoke density [%·min]		16.5	-
Ribbed top surface Cross direction	Critical Heat Flux [kW/m ²]	1	10.4	-
	Smoke density [%·min]		23.4	-
Flat top surface	Critical Heat Flux [kW/m ²]	1	9.7	-
	Smoke density [%·min]		43.8	-

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 12 of EN 13501-1:2007+A1:2009.

4.2 Classification

The product, **BAMBOO X-TREME™ DECKING**, in relation to its reaction to fire behaviour is classified:

B_{fl}

The additional classification in relation to smoke production is:

s1

Reaction to fire classification: B_{fl} - s1

4.3 Field of application

This classification is valid for the following product parameters:

- Thickness 20 mm
- Surface density approx. 24 kg/m²
- Other properties ribbed or flat top surface

This classification is valid for the following end use applications:

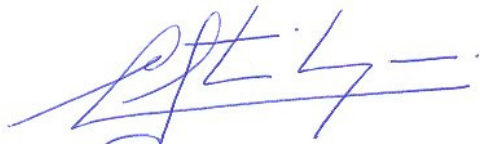
- Substrate not applicable
- Methods and means of fixing mechanically
- Other aspects of end use conditions open gap of 5 mm between boards

4.4 Duration of the validity of this classification report

There are no limitations in time on the validity of this report.

5. Limitations

This classification document does not represent type approval or certification of the product.



C.C.M. Steinhage B.Sc.



S. Nieuwendijk M.Sc.

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