



ROK ZAŁOŻENIA  
ESTABLISHED IN  
1952

JEDNOSTKA  
NOTYFIKOWANA  
NR 1583  
NOTIFIED BODY  
No. 1583



AC 098

CERTYFIKAT AKREDYTACJI  
JEDNOSTKI CERTYFIKUJĄCEJ WYROBY  
ACCREDITATION CERTIFICATE  
FOR PRODUCT CERTIFICATION BODY



AB 088

CERTYFIKAT AKREDYTACJI  
LABORATORIUM BADAWCZEGO  
ACCREDITATION CERTIFICATE  
OF TESTING LABORATORY



MEDAL  
M. OCZĄPOWSKIEGO  
M. OCZĄPOWSKI  
MEDAL



POLSKA PLATFORMA  
TECHNOLOGICZNA SEKTORA  
LEŚNO-DRZEWNEGO  
POLISH TECHNOLOGY PLATFORM  
FOR FORESTRY AND WOOD  
SECTOR

# INSTYTUT TECHNOLOGII DREWNA

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A-404-BOS/2007

Poznań, 30 September 2011

## Reaction to fire classification report

### 1 Introduction

This classification report defines the classification assigned to the flooring consisting of a 12-millimetre-thick fire-resistant EUROSPAN® Flammex particleboard of class B<sub>fl</sub> covered with 2 layers of coating **Bona Naturale 2-component** in accordance with the procedures given in EN 13501-1:2007.

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

<b>Sponsor:</b>	Bona AB Murmansgatan 130 SE-200 21 Malmö Sweden
<b>Prepared by:</b>	Wood Technology Institute (Instytut Technologii Drewna) ul. Winiarska 1 PL-60-654 Poznań Poland
<b>Notified Body No.:</b>	1583
<b>Product name:</b>	flooring consisting of a 12-millimetre-thick fire-resistant EUROSPAN® Flammex particleboard of class B <sub>fl</sub> covered with 2 layers of coating <b>Bona Naturale 2-component</b>
<b>Classification report No.:</b>	5/2007
<b>Issue number:</b>	2
<b>Date of issue:</b>	30 September 2011

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## 2 Details of classified product

### 2.1 General

The product, the flooring consisting of a 12-milimetre-thick fire-resistant EUROSPAN® Flammex particleboard of class B<sub>f1</sub> covered with 2 layers of coating **Bona Naturale 2-component**, is defined as a flooring.

### 2.2 Product description

The product, the flooring consisting of a 12-milimetre-thick fire-resistant EUROSPAN® Flammex particleboard of class B<sub>f1</sub> covered with 2 layers of coating **Bona Naturale 2-component**, is described below or is described in the reports provided in support of classification listed in 3.1.

Total thickness	12 mm
Density of particleboard	660 kg/m <sup>3</sup>
Type of finish	2-component waterborne 100% polyurethane dispersion
Application rate	100-120 g/m <sup>2</sup> per layer
Number of lacquer layers	2

## 3 Reports and results in support of this classification

### 3.1 Reports

Name of Laboratory	Name of sponsor	Report ref. no.	Test method and date Field of application rules and date
Wood, Wood-Based Materials, Packaging, Furniture, Wooden Constructions and Woodworking Machines Testing Laboratory of Wood Technology Institute in Poznań	Bona AB Murmansgatan 130 SE-200 21 Malmö Sweden	35/2007 record no. 2/35/2007	EN ISO 9239-1 (radiant heat source method) 5 June 2007 direct application
Wood, Wood-Based Materials, Packaging, Furniture, Wooden Constructions and Woodworking Machines Testing Laboratory of Wood Technology Institute in Poznań	Bona AB Murmansgatan 130 SE-200 21 Malmö Sweden	36/2007 record no. 2/36/2007	EN ISO 11925-2 (direct impingement of single flame method) 5 June 2007 direct application

### 3.2 Results

Test method and test number	Parameter	No. Tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
EN ISO 9239-1 (radiant heat source method) A-404-BOŚ/2007/2/6K	Critical heat flux (kW/m <sup>2</sup> )	3	11.0	(-)
	Smoke production (%·min)		4.39	(-)
EN ISO 11925-2 (direct impingement of single flame method) Exposure time: 15 s A-404-BOŚ/2007/2/7K	Is the flame spread $F_s \leq 150$ mm within 20 s from the time of application?	6	(-)	COMPLIANT

(-): not applicable

## 4 Classification and field of application

### 4.1 Reference of classification

This classification has been carried out in accordance with EN 13501-1:2007.

### 4.2 Classification

The product, the flooring consisting of a 12-milimetre-thick fire-resistant EUROSPAN® Flammex particleboard of class B<sub>fl</sub> covered with 2 layers of coating **Bona Naturale 2-component**, in relation to its reaction to fire behaviour is classified:

**B<sub>fl</sub>**

The additional classification in relation to smoke production is:

**s1**

The format of the reaction to fire classification for floorings is:

Fire behaviour		Smoke production	
B <sub>fl</sub>	-	s	1

ie.: **B<sub>fl</sub>-s1**

**Reaction to fire classification: B<sub>fl</sub>-s1**

### 4.3 Field of application

This classification is valid for the following product parameters:

- total thickness: minimum 12 mm
- particleboard class: B<sub>fl</sub>

(Test reports no. 35/2007 of 2 July 2007 and 36/2007 of 2 July 2007.)

The classification is valid for the following end use applications:

- The product used only on floorings or bases of fire-resistance classes A1<sub>fl</sub> and A2<sub>fl</sub>.
- The product used in a horizontal position with the exposed side up.
- The product used indoors.

### 5 Limitations

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

This document is valid provided that neither the composition nor production technology of the product are changed.

SIGNED

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*Jacek Pawłowski*

APPROVED

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Prof. of Wood Technology Institute

KIEROWNIK  
Sekcji Badań Palności

*Hanna Wróblewska*