



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  
IM. M. OCZAPOWSKIEGO  
M. OCZAPOWSKI  
MEDAL



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

# INSTYTUT TECHNOLOGII DREWNA

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A-907-BOŚ/2008

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-milimetre-thick fire-resistant EUROSPAN® Flammex particleboard of class B<sub>fl</sub> covered with 3 layers of lacquer **Bona Novia** 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<br>Murmansgatan 130<br>SE-200 21 Malmö<br>Sweden   |
| <b>Prepared by:</b>               | Wood Technology Institute (Instytut Technologii Drewna)<br>ul. Winiarska 1<br>PL-60-654 Poznań<br>Poland   |
| <b>Notified Body No.:</b>         | 1583   |
| <b>Product name:</b>              | flooring consisting of a 12-milimetre-thick fire-resistant<br>EUROSPAN® Flammex particleboard of class B <sub>fl</sub> covered<br>with 3 layers of lacquer <b>Bona Novia</b> |
| <b>Classification report No.:</b> | 5/2008   |
| <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>fl</sub> covered with 3 layers of lacquer **Bona Novia**, 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>fl</sub> covered with 3 layers of lacquer **Bona Novia**, 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           | one-component waterborne finish for the surface treatment of wooden floors |
| Application rate         | 100-120 g/m <sup>2</sup> per layer   |
| Number of lacquer layers | 3  |

## 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<br>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<br>Murmansgatan 130<br>SE-200 21 Malmö<br>Sweden | 48/2008<br>record no.<br>1/48/2008 | EN ISO 9239-1<br>(radiant heat source method)<br>26 August 2008<br>direct application                 |
| Wood, Wood-Based Materials, Packaging, Furniture, Wooden Constructions and Woodworking Machines Testing Laboratory of Wood Technology Institute in Poznań | Bona AB<br>Murmansgatan 130<br>SE-200 21 Malmö<br>Sweden | 49/2008<br>record no.<br>1/49/2008 | EN ISO 11925-2<br>(direct impingement of single flame method)<br>26 August 2008<br>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<br>(radiant heat source method)<br>A-907-BOŚ/2008/6K  | Critical heat flux<br>(kW/m <sup>2</sup> )  | 3         | 10.81                           | (-)                        |
|   | Smoke production<br>(%·min)   |           | 3.97                            | (-)                        |
| EN ISO 11925-2<br>(direct impingement of single flame method)<br>Exposure time: 15 s<br>A-907-BOŚ/2008/7K | Is the flame spread<br>$F_s \leq 150$ mm<br>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 3 layers of lacquer **Bona Novia**, 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. 48/2008 and 49/2008 of 17 September 2008.)

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**

**Jacek Pawłowski, M.Sc.**

*Jacek Pawłowski*

**APPROVED**

**Dr Hanna Wróblewska,  
Prof. of Wood Technology Institute**

KIEROWNIK  
Sekcji Badań Palności

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