



A-929-BOŚ/2014

Poznań, 29<sup>th</sup> April 2014

## Reaction to fire classification report

### 1 Introduction

This classification report defines the classification assigned to: a linoleum flooring on jute backing, named "Linoleum xf<sup>2</sup> B<sub>fl</sub>, Linosom xf<sup>2</sup> B<sub>fl</sub>", glued on incombustible support of 8mm thick fibre-cement board with MAPEI Ultrabond ECO 540 adhesive, in accordance with the procedures given in PN-EN 13501-1+A1:2010 [EN 13501-1:2007+A1:2009].

## CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH PN-EN 13501-1+A1:2010

<b>Sponsor:</b>	Tarkett S.p.A. Strada Sant'Anna 6 05035 Narni Scalo (TR) Italy
<b>Prepared by:</b>	Wood Technology Institute (Instytut Technologii Drewna) ul. Winiarska 1 60-654 Poznań Poland
<b>Notified Body No</b>	1583
<b>Product name:</b>	linoleum flooring on jute backing, named "Linoleum xf <sup>2</sup> B <sub>fl</sub> , Linosom xf <sup>2</sup> B <sub>fl</sub> "
<b>Classification report No.:</b>	6/2014
<b>Issue number:</b>	1
<b>Date of issue:</b>	29 <sup>th</sup> April 2014

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## 2 Details of classified product

### 2.1 General

The product, linoleum flooring on jute backing, named "Linoleum xf<sup>2</sup> B<sub>fl</sub>, Linosom xf<sup>2</sup> B<sub>fl</sub>", is defined as a flooring.

### 2.2 Product description

The product, linoleum flooring on jute backing, named "Linoleum xf<sup>2</sup> B<sub>fl</sub>, Linosom xf<sup>2</sup> B<sub>fl</sub>", is described below or is described in the reports provided in support of classification listed in 3.1.

Thickness of linoleum	2.5 mm
Surface finish	xf <sup>2</sup> – polyurethane-based surface treatment

According to the client's statement, no flame retardant was used to produce the tested product.

## 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	Tarkett S.p.A. Strada Sant'Anna 6 05035 Narni Scalo (TR) Italy	929/2014/S.K record no. 1/929/2014/S.K	EN ISO 9239-1 (radiant heat source method) 25 <sup>th</sup> April 2014 direct application
Wood, Wood-Based Materials, Packaging, Furniture, Wooden Constructions and Woodworking Machines Testing Laboratory of Wood Technology Institute in Poznań	Tarkett S.p.A. Strada Sant'Anna 6 05035 Narni Scalo (TR) Italy	929/2014/S.K record no. 2/929/2014/S.K	EN ISO 11925-2 (direct impingement of single flame method) 25 <sup>th</sup> April 2014 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-929-BOŚ/2014/6K	Critical heat flux (kW/m <sup>2</sup> )	3	8.33	(-)
	Smoke production (%·min)		46.2	(-)
EN ISO 11925-2 (direct impingement of single flame method) Exposure time: 15 s A-929-BOŚ/2014/7K	The flame spread $F_s \leq 150$ mm within 20 s from the time of application	6	(-)	YES

(-):not applicable

## 4 Classification and field of application

### 4.1 Reference of classification

This classification has been carried out in accordance with PN-EN 13501-1+A1:2010.

### 4.2 Classification

The product, linoleum flooring on jute backing, named "Linoleum xf<sup>2</sup> B<sub>fl</sub>, Linosom xf<sup>2</sup> B<sub>fl</sub>", glued on incombustible support of 8mm thick fibre-cement board with MAPEI Ultrabond ECO 540 adhesive, 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>B<sub>fl</sub></b>	-	<b>s</b>	<b>1</b>

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:

- Thickness of linoleum: 2.5 mm
- Surface finish: xf<sup>2</sup> – polyurethane-based surface treatment  
(Test report no. 929/2014/S.K of 29<sup>th</sup> April 2014)

This classification is valid for the following end use applications:

- The product glued with MAPEI Ultrabond ECO 540 adhesive on floorings or bases of reaction to fire classes A1 or A2-s1,d0.
- The product used in a horizontal position with the exposed side up.

## 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, but not longer than until **29<sup>th</sup> April 2019**.

**SIGNED**

**Jacek Pawłowski, M.Sc.**

*Jacek Pawłowski*  
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**APPROVED**

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

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