



S I E Ć B A D A W C Z A Ł U K A S I E W I C Z  
INSTYTUT TECHNOLOGII DREWNA

WOOD TECHNOLOGY INSTITUTE • INSTITUT FÜR HOLZTECHNOLOGIE • INSTITUT DE TECHNOLOGIE DU BOIS  
WINIARSKA 1 • 60-654 POZNAŃ – POLAND • phone: +48 61 849-24-00 • fax: +48 61 822-43-72  
e-mail: office@itd.poznan.pl • http://www.itd.poznan.pl  
Notified Body N° 1583

Poznań, 5<sup>th</sup> July 2019

## Reaction to fire classification report

### 1 Introduction

This classification report defines the classification assigned to sports floor Lumaflex Duo Linosport xf<sup>2</sup> with a thickness of 3.2 mm, 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

**Customer:** Tarkett Polska Sp. z o.o.  
ul. Miłosławska 13A  
62-322 ORZECOWO

**Prepared by:** Sieć Badawcza Łukasiewicz - Instytut Technologii Drewna  
Winiarska Str.1  
60-654 Poznań  
Poland

**Notified Body No** 1583

**Product name:** sports floor Lumaflex Duo Linosport xf<sup>2</sup> with a thickness of 3.2 mm, with protective UV-cured polyurethane coating

**Classification report No.:** 8/2019

**Issue number:** 1

**Date of issue:** 5<sup>th</sup> July 2019

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## 2 Details of classified product

### 2.1 General

The product, sports floor Lumaflex Duo Linosport xf<sup>2</sup> with a thickness of 3.2 mm, with protective UV-cured polyurethane coating, is defined as a flooring.

### 2.2 Product description

The product: The sports floor Lumaflex Duo Linosport xf<sup>2</sup> consists of three layers: top layer – Linoleum Linosport xf<sup>2</sup> with a thickness of 3.2 mm with protective UV- cured polyurethane coating, middle layer - birch plywood with a thickness of 18 mm, bottom layer - "Tarfoam 60" polyurethane foam.

The top layer was adhered to the grid of plywood with a thickness of 18 mm using a dispersion adhesive for linoleum.

The Lumaflex Duo floor is installed in a floating system - not glued to the ground/support.

The tested samples were laid on a standard support: 8 mm fiber-cement board.

## 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 Łukasiewicz Research Network - Wood Technology Institute in Poznań	Tarkett Polska Sp. z o.o. ul. Miłosławska 13A 62-322 Orzechowo	1534/2019/S.K record no. 1/1534/2019/S.K	EN ISO 9239-1 (radiant heat source method) 25.06.2019 direct application
Wood, Wood-Based Materials, Packaging, Furniture, Wooden Constructions and Woodworking Machines Testing Laboratory of Łukasiewicz Research Network - Wood Technology Institute in Poznań	Tarkett Polska Sp. z o.o. ul. Miłosławska 13A 62-322 Orzechowo	1534/2019/S.K record no. 2/1534/2019/S.K	EN ISO 11925-2 (direct impingement of single flame method) 18.06.2019 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-1534-BOŚ/2019/6K	Critical heat flux (kW/m <sup>2</sup> )	4	6.31	(-)
	Smoke production (%·min)		194.31	(-)
EN ISO 11925-2 (direct impingement of single flame method) Exposure time: 15 s A-1534-BOŚ/2019/7K	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, sports floor Lumaflex Duo Linosport xf<sup>2</sup> consisting of top layer – Linoleum Linosport xf<sup>2</sup> with a thickness of 3.2 mm with protective UV- cured polyurethane coating, adhered to the grid of plywood (middle layer) with a thickness of 18 mm using a dispersion adhesive for linoleum and of bottom layer - "Tarfoam 60" polyurethane foam, installed in a floating system, in relation to its reaction to fire behavior is classified:

**C<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 behavior		Smoke production	
C <sub>fl</sub>	-	s	1

i.e.: **C<sub>fl</sub>-s1**

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

### 4.3 Field of application

This classification is valid for the following product parameters described in section 2.2:

The product, the sports floor Lumaflex Duo Linosport xf<sup>2</sup> consisted of three layers: top layer – Linoleum Linosport xf<sup>2</sup> with a thickness of 3.2 mm with protective UV- cured polyurethane coating, middle layer - birch plywood with a thickness of 18 mm, bottom layer - "Tarfoam 60" polyurethane foam.

The top layer was adhered to the grid of plywood with a thickness of 18 mm using a dispersion adhesive for linoleum.

The Lumaflex Duo floor is installed in a floating system - not glued to the ground/support.

(Test report no. 1534/2019/S.K of 28<sup>h</sup> June 2019)

This classification is valid for the following end use applications:

- The product is used only on bases or floors with reaction to fire class 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 **5<sup>th</sup> July 2024**.

VERIFIED BY

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

..... KIEROWNIK .....

Sekcji Badań Palności

*dr Hanna Wróblewska, prof. ITD.*