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REACTION TO FIRE CLASSIFICATION REPORT IN ACCORDANCE WITH PN-EN 13501-1:2019-02

Contract no. 01847/20/Z00NZP

Sponsor:	SWISS KRONO Sp. z o.o. ul. Serbska 56 68-200 Żary
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Product name:	SWISS KRONO Laminated flooring
Classification report no.:	1847/20/Z00NZP-ENG-Z (English version of classification 02404.1/19/Z00NZP)
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This classification report consists of three pages and may only be used or reproduced in its entirety.

1. Introduction

This classification report defines the classification assigned to SWISS KRONO Laminated flooring in accordance with the procedures given in PN-EN 13501-1:2019-02.

2. Details of classified product

2.1 General

The product is defined as floors covering used inside the buildings.

2.2 Product description

2.3 The product, is described below.

SWISS KRONO Laminated flooring.

Main material used for production SWISS KRONO Laminated flooring is HDF material (fibrous board MDF acc. to EN 622-5)

Top surface of floor panels is covered by decorative melamine film connected with layer of of particularly abrasion-resistant film, called "overlay". The lower layer is a balance paper that eliminates the tension created after the top layer has been laminated.

The thickness of floors: $6 \div 12$ mm.

3. Test reports & test results in support of classification

3.1 Test reports

Name of laboratory	Name of sponsor	Test report no.	Test method
Fire Testing Laboratory	SWISS KRONO Sp. z o.o.	LZP01-02404/19/Z00NZP	PN-EN ISO 9239-1:2010
		LZP02-02404/19/Z00NZP	PN-EN ISO 9239-1:2010
		LZP03-02404/19/Z00NZP	PN-EN ISO 11925-2:2010
		LZP04-02404/19/Z00NZP	PN-EN ISO 11925-2:2010

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3.2 Test results

		Results		
Test method	Parameter	Number of tests	Continuous parameter – mean (m)	Compliance with parameters
LZP03-02404/19/Z00NZP				
PN-EN ISO 11925-2:2010 Exposure 15 s	F _s ≤150 mm	6	(–)	Y
LZP04-02404/19/Z00NZP				
PN-EN ISO 11925-2:2010 Exposure 15 s	F _s ≤150 mm	6	(–)	Y
LZP01-02404/19/Z00NZP				
PN-EN ISO 9239-1:2010	Critical heat flux (kW/m ²)	3	5,8	(–)
	Smoke production (% · min)		167,9	(–)
LZP02-02404/19/Z00NZP				
PN-EN ISO 9239-1:2010	Critical heat flux (kW/m ²)	3	4,9	(–)
	Smoke production (% · min)		169,5	(–)
(–): do not concern Y: Yes N: No				

4 Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with PN-EN 13501-1:2019-02.

4.2 Classification

SWISS KRONO Laminated flooring, in relation to its reaction to fire behaviour are classified:

C_{fl}

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	
C_{fl}	-	s	1

i.e.: **C_{fl}-s1**

Reaction to fire classification: C_{fl}-s1

4.3 Field of application

This classification is valid for the following product parameters:

- Product described in point 2 this classification report
- Product can be used with wooden and wood-base substrates or on substrates with reaction to fire classification A1 or A2.

5 Limitation

The classification given above remains valid as long as:

- test method remains unchanged,
- product standard or technical approval remains unchanged,
- constructional or material modifications do not exceed limits of the field of application defined in 4.3.

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This classification report has been issued in three copies (2 for client, 1 for Fire Research Department of ITB). Additional signed copies can be issued by Fire Research Department of ITB on the request of the report's owner only.

"The classification assigned to the product in this report is appropriate to a declaration of performance (till 1st July of 2013 – declaration of conformity) by the manufacturer within the context of system 3 of assessment and verification of constancy of performance (till 1st July 2013 – system of conformity) and CE marking according to harmonized technical specification of the product and with Regulation (EU) no. 305/2011 of The European Parliament and of The Council of 9 March 2011 laying down harmonized conditions for the marketing construction products and repealing Council Directive 89/106/EEC.

The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that system of assessment and verification of constancy of performance 3 is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested."

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

SIGNED

Mariusz Żołnik

APPROVED

HEAD
of Fire Research Department

Bartłomiej Papis, PhD Eng.