



Instytut Techniki Budowlanej

Badania naukowe | Prace rozwojowe | Akredytowany Zespół Laboratoriów |

Jednostka notyfikowana nr 1488 | Członek EOTA | Certyfikowane systemy zarządzania ISO 9001, ISO 27001

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

Contract no. 01154/17/Z00NZZ

Sponsor:	SWISS KRONO Sp. z o.o. ul. Serbska 56 68-200 Żary
Prepared by:	Building Research Institute; 1, Filtrowa str. 00-611 Warszawa, Poland
Product name:	SWISS KRONO Laminated particleboard
Classification report №:	01154.4.1/17/Z00NZZ-E
Issue number:	Copy No 2 (English Version of 02919.1/16/Z00NZZ)
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This classification report consists of 4 pages and may only be used or reproduced in its entirety.

1. Introduction

This classification report defines the classification assigned to the SWISS KRONO Partical Board Laminate in accordance with the procedures given in PN-EN 13501-1+A1:2010.

2. Details of classified product

2.1 General

Product is defined as laminated particleboard.

2.2 Product description

The product, is described below.

SWISS KRONO Laminated particleboard is made from particle board of thickness between 10 mm and 38 mm.

Product is produced by SWISS KRONO Sp. z o.o.

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 Research Department Building Research Institute	SWISS KRONO Sp. z o.o.	LP-512.1/23-21/09	PN-EN ISO 11925-2: 2004
		LP-512.2/23-22/09	
		LP-512.1/34-35/09	PN-EN 13823: 2004
		LP-512.2/34-36/09	

3.2 Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
LP-512.1/23-21/09				
PN-EN ISO 11925-2: 2004 Surface and edge exposure. Exposure time 30 s.	$F_s \leq 150$ mm	6	(-)	Y
	Flaming Droplets/particles		(-)	N
LP-512.2/23-22/09				
PN-EN ISO 11925-2: 2004 Surface and edge exposure. Exposure time 30 s.	$F_s \leq 150$ mm	6	(-)	Y
	Flaming Droplets/particles		(-)	N
LP-512.1/34-35/09				
PN-EN 13823: 2004	FIGRA 0,2MJ	3	301,9	(-)
	FIGRA 0,4MJ		301,9	(-)
	LFS < edge		(-)	Y
	THR600s [MJ]		19,5	(-)
	SMOGRA [m2/s2]		8,8	(-)
	TSP600s [m2]		70,7	(-)
	Flaming Droplets/particles		(-)	N

LP-512.2/34-36/09				
PN-EN 13823: 2004	FIGRA _{0,2MJ}	3	300,5	(-)
	FIGRA _{0,4MJ}		300,5	(-)
	LFS < edge		(-)	Y
	THR _{600s} [MJ]		22,6	(-)
	SMOGRA [m ² /s ²]		12,6	(-)
	TSP _{600s} [m ²]		72,7	(-)
	Flaming Droplets/particles		(-)	N
(-): not applicable 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+A1:2010.

4.2 Classification

The product, SWISS KRONO Laminated particleboard, in relation to its reaction to fire behaviour is classified:

D

The additional classification in relation to smoke production is:

s2

The additional classification in relation to flaming droplets/particles is:

d0

The format of the reaction to fire classification for construction products excluding floorings and linear pipe thermal insulation products is:

Fire behaviour		Smoke production			Flaming droplets	
D	-	s	2	,	d	0

i.e.: **D-s2,d0**

Reaction to fire classification: D-s2,d0

4.3 Field of application

This classification is valid for the product described in clause 2.2 of this classification report.

SWISS KRONO Laminated particleboard mounted directly to substrates of reaction to fire class at least A2-s3,d0.

5 Limitations

This classification given 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.

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

In case of doubt the polish language version (02919.1/16/Z00NZZ) is the only basis for interpretation.

6 Warning

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

SIGNED

APPROVED



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