
CLASSIFICATION OF REACTION TO FIRE ACCORDANCE WITH EN 13501-1:2018

1. Introduction

This classification report defines the classification assigned to SWISS KRONO HPL in accordance with the procedures in EN 13501-1:2018.

Sponsor: SWISS KRONO sp. z o.o.
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Notified Body No: -

Product name: SWISS KRONO HPL

Classification report No: SL/Z-408/EN13501/0486a/2022

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2. Details of classified product

2.1. General

The product, SWISS KRONO HPL

2.2. Product description

The product, SWISS KRONO HPL, is described below or is described in the reports provided in support of classification listed in 3.1

SWISS KRONO HPL laminate with an exterior decorative surface consists of layers of papers impregnated with thermosetting resins, bonded under high temperature and high pressure.

The density of the laminate $\geq 1350 \text{ kg/m}^3$. Thickness of the laminate: 0.3-0.9 mm and weight related to the unit area 0.48-1.2 kg/m^2 .

SWISS KRONO HPL laminates with their properties and performance parameters comply with the requirements of EN 438 - 3.

3. Reports and results in support of this classification

3.1. Specific conditions

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3.2. Reports

Name of Laboratory	Name of sponsor	Report ref. No.	Test method and date Field of application rules and date
Sychta Laboratorium	SWISS KRONO sp. z o.o.	SL/Z-408/PN13823/0485a/2022	PN-EN ISO 13823 PN-EN ISO 11925-2 07-08.07.2022

3.3. Results

Test method and test number	Parameter	No. Tests ^a	Results	
			Continuous parameter - mean (m)	Compliance with parameters
PN-EN 13823	FIGRA, $\text{W}\cdot\text{s}^{-1}$	3	566	(-)
	THR _{600s} , MJ		4,5	(-)
	LFS < edge		(-)	Compliant
	SMOGR _A , $\text{m}^2\cdot\text{s}^{-2}$		0	(-)
	TSP _{600s} , m^2		0	(-)
	Flaming particles or droplets, time s		(-)	Compliant
PN-EN ISO 11925-2 Exposure time 30 s	Flame spread > 150 mm in 60 s, mm	6	(-)	Compliant
	Ignition of paper		(-)	Compliant

^a Not for extended application, (-): not applicable

4. Classification and field of application

4.1. Reference of classification

This classification has been carried out in accordance with EN 13501-1:2018.

4.2. Classification

The product, SWISS KRONO HPL, in relations to its reaction to fire behaviour is classified:

D

The additional classification in relations to smoke production is:

s1

The additional classification in relations 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	1	,	d	0

Reaction to fire classification: D-s1,d0

4.3. Field of application

This classification is valid for the following product parameters:

- laminate with white outer surface
- total thickness of 0,3-0,9 mm
- weight per unit area 0,48-1,2 kg/m²

The classification is valid for the following end use applications:

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5. Limitations

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

*Signature of person
undertaking classification:*

dr inż. Krzysztof Sychta



*Signature of person
authorising report:*

dr hab. inż. Zygmunt Sychta

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