

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

1. Introduction

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

Sponsor: SWISS KRONO sp. z o.o.
Serbska 56
68-200 Żary
Poland

Prepared by: SYCHTA LABORATORIUM Sp. J.
Laboratorium Badań Palności Materiałów
ul. Ofiar Stutthofu 90
72-010 Police, Poland

Notified Body No: 3039

Product name: SWISS KRONO BLACK WOOD Raw boards

Classification report No: SL/Z-320/EN13501/0304a/2024

Date of issue: 29.05.2024

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2. Details of classified product

2.1. General

The product, SWISS KRONO BLACK WOOD Raw boards, is defined as a type of product (according to relevant European Technical Specification*).

2.2. Product description

The product, SWISS KRONO BLACK WOOD Raw boards, is described below or is described in the reports provided in support of classification listed in 3.1

BLACK WOOD raw board is a wood-based product formed by pressing wood fibers with the addition of synthetic resins, under high pressure and temperature conditions. It is a material with homogeneous, high-density HDF and raw material composition throughout. BLACK WOOD boards are colored black in the mass.
Thickness 6 -12 mm. Density 960 kg/m³ (+/- 5%).

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-320/EN13823/0303a/2024 SL/Z-435/PN13823/0411a/2024	PN-EN ISO 13823 PN-EN ISO 11925-2 15.04.2024 18.04.2024 21.05, 24.05 and 28.05.2024

3.3. Results

SWISS KRONO BLACK WOOD Raw boards - 6 mm

Test method and test number	Parameter	No. Tests ^a	Results	
			Continuous parameter - mean (m)	Compliance with parameters
PN-EN 13823	FIGRA _{0,2} , W·s ⁻¹	3	130	(-)
	FIGRA _{0,4} , W·s ⁻¹		124	(-)
	THR _{600s} , MJ		6,8	(-)
	LFS < edge		(-)	Compliant
	SMOGRA, m ² ·s ⁻²		5	(-)
	TSP600s, m ²		54	(-)
	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

SWISS KRONO BLACK WOOD Raw boards - 12 mm

Test method and test number	Parameter	No. Tests ^a	Results	
			Continuous parameter - mean (m)	Compliance with parameters
PN-EN 13823	FIGRA _{0,2} , W·s ⁻¹	3	230	(-)
	FIGRA _{0,4} , W·s ⁻¹		230	(-)
	THR _{600s} , MJ		15	(-)
	LFS < edge		(-)	Compliant
	SMOGRA, m ² ·s ⁻²		1	(-)
	TSP600s, m ²		9	(-)
	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 BLACK WOOD Raw boards, in relations to its reaction to fire behaviour is classified:

C

The additional classification in relations to smoke production is:

s2

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	
C	-	s	2	,	d	0

Reaction to fire classification: C-s2,d0

4.3. Field of application

This classification is valid for the following product parameters:

- raw wood-based board, black in color
- thickness 6,0-12,0 mm
- weight per unit area approx. 6,0 g/m²
- density 960 kg/m³ (+/- 5%)

The classification is valid for the following end use applications:

This classification applies to free-standing panels, panels laid without fastening or with mechanical fastening directly or with wooden or metal substructures, to non-combustible mineral substrates of class A1 or A2-s1,d0 with ventilated or non-ventilated air gap.

5. Limitations

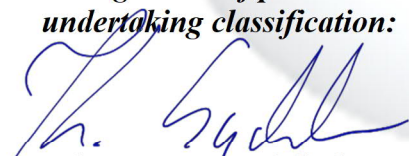
This classification document does not represent type approval or certification of the product.

“The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 od AVCP and CE marking under the Regulation 305/2011/EU the European Parliament and of the Council of March 2011 laying down harmonised conditions for the marketing of construction products.


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 3 attestation 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.”

**Signature of person
undertaking classification:**


dr inż. Krzysztof Sychta

**Signature of person
authorising report:**


dr hab. inż. Zygmunt Sychta

SYCHTA LABORATORIUM Sp. z o.o.
72-010 Police, ul. Ofiar Stutthofu 90
tel./fax +48 91 4210 214, tel. 502078855
e-mail: biuro@sychta.eu www:sychta.eu
KRS 0000387681 REGON 321023120
NIP 8513152392