

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

Classification no.	2022-Efectis-R000895
Sponsor	Nederlandse Branchevereniging voor de Timmerindustrie Sectie Trappen Westeinde 10 1334 BK ALMERE THE NETHERLANDS
Product name	Spruce wood with a white primer
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1. INTRODUCTION

This classification report defines the classification assigned to **Spruce wood with a white primer** in accordance with the procedures given in EN 13501-1:2018.

2. DETAILS OF CLASSIFIED PRODUCT

2.1 GENERAL

The product, **Spruce wood with a white primer**, will be used as the horizontal parts of a staircase construction.

2.2 MANUFACTURER

Nederlandse Branchevereniging voor de Timmerindustrie
Sectie Trappen
Westeinde 10
1334 BK ALMERE
THE NETHERLANDS

2.3 PRODUCT DESCRIPTION

According to the sponsor the product is composed of spruce wood (*Picea abies*).

The tested panels are:

- 37.6 ± 0.4 mm and have a density from 400 kg/m³ to 500 kg/m³;
- Not impregnated;
- Coated with a white primer of reference with Ankocryl Basispaint for stairs S HB, usage 60 µm to 90 µm.

3. STANDARDS, TEST REPORTS & TEST RESULTS IN SUPPORT OF CLASSIFICATION

3.1 APPLICABLE (PRODUCT) STANDARDS

EN ISO 11925-2:2020	Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test
EN ISO 9239-1:2010	Reaction to fire tests for floorings - Part 1: Determination of the burning behaviour using a radiant heat source
EN 13238:2010	Reaction to fire tests for building products - Conditioning procedures and general rules for selection of substrates
EN 13501-1:2018	Fire classification of construction products and building elements Part 1: Classification using data from reaction to fire tests
EN 13986:2004+A1:2015	Wood-based panels for use in construction - Characteristics, evaluation of conformity and marking

3.2 TEST REPORTS

Name of Laboratories	Name of sponsor	Test reports	Test method
Efectis Nederland BV THE NETHERLANDS	Nederlandse Branchevereniging voor de Timmerindustrie THE NETHERLANDS	2022-Efectis-R000652 2022-Efectis-R000770	EN ISO 11925-2:2020 EN ISO 9239-1:2010

3.3 TEST RESULTS

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter – maximum	Compliance Parameters
EN ISO 11925-2				
surface flame impingement	Fs ≤150 mm	6	80	-
	Ignition of filter paper		-	Compliant

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance Parameters
EN ISO 9239-1				
	Critical Heat Flux [kW/m2]	3	5.7	-
	Smoke density [%.min]		18	-

3.4 CLASSIFICATION CRITERIA

Classification criteria of the Flooring Radiant Panel (FRP) test			
Classification criteria			
Class Test method(s)	B _{fl}	C _{fl}	D _{fl}
EN ISO 11925-2 Exposure = 15 s	F _s ≤ 150 mm within 20 s		
EN ISO 9239-1 Critical flux [kW/m ²]	≥ 8.0	≥ 4.5	≥ 3.0
Additional classification			
Smoke production	s1 = ≤ 750% min s2 = > 750% min		

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1 REFERENCE OF CLASSIFICATION

This classification has been carried out in accordance with clause 12 of EN 13501-1:2018.

4.2 CLASSIFICATION

The product, **Spruce wood with a white primer**, in relation to its reaction to fire behaviour is classified:

C_{fi}

The additional classification in relation to smoke production is:

s1

Reaction to fire classification: C_{fi} - s1

4.3 FIELD OF APPLICATION

This classification is valid for the following product parameters:

Thickness	37.6 ± 0.4 mm and thicker
Surface density	From 15.04 kg/m ² to 18.8 kg/m ²
Coating	Coated with a white primer of reference with Ankocryl Basispaint
Coating usage	60 µm to 90 µm

This classification is valid for the following end use applications:

Substrate	Not applicable
Application	as the horizontal part of a staircase construction
Joints	None
Other aspects of end use conditions	Used in combination with vertical element (riser) to form a staircase

4.4 DURATION OF THE VALIDITY OF THIS CLASSIFICATION REPORT

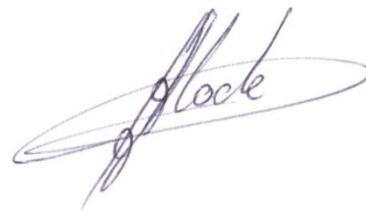
Consult classification standard and national laws and regulations for limitations on the period of validity of the classification.

5. LIMITATIONS

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



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