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Reaction to fire classification report according to EN 13501-1

Introduction

This classification report defines the classification assigned to the product “Wood flooring of FRT pine and spruce” in accordance with the procedures given in EN 13501-1:2007.

Nature and end use application

The product “Wood flooring of FRT pine and spruce” is defined as a flooring.

Description

According to the client:

Two different wood products, pine (24 x 95 mm) and spruce (27 x 70 mm) (thickness x width), were pressure impregnated (vacuum 95 % during 20 minutes and pressure 10 bar during 20 minutes) at SP Trätekt with FR treatment “OW-impregnation” and the retention values are for pine 10,2 kg/m³ and for spruce 7,0 kg/m³.

Test reports in support of this classification

Name of laboratory	Name of sponsor	Test report Ref no	Test method
SP	OrganoClick AB	PX11838A	EN ISO 9239:2002 EN ISO 11925-2:2002

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Test results in support of this classification

Test method	Parameter	Number of tests	Results	
			Continuous parameter	Compliance parameters
EN ISO 11925-2 15 s surface exposure	Flame spread \leq 150 mm	6+3	(-)	Yes
	Ignition of filter paper	6+3	(-)	Yes
EN ISO 9239-1	Critical flux (kW/m ²)	3 (pine)	7,32/7,91/8,95 mean 8,06	(-)
		1 (spruce)	\geq 10,9	(-)
	Smoke (% min)	3 (pine)	3/8/5 mean 5	(-)
		1 (spruce)	12	(-)
(-) not applicable				

Reference and direct field of application

This classification has been carried out in accordance with clauses 12.6 and 12.9.2 of EN 13501-1:2007.

Classification

The product “Wood flooring of FRT pine and spruce” in relation to its reaction to fire behaviour is classified:

B_{fl}

The additional classification in relation to smoke production is:

s1

The final classification is B_{fl}- s1.

Field of application

This classification is valid for the following end use conditions:

- FRT pine or FRT spruce
- Thickness: ≥ 24 mm
- Width: ≥ 70 mm
- Density: Pine: ≥ 583 kg/m³. Spruce: ≥ 479 kg/m³.
- Substrate: Without or with at least D-s2,d0 .

Restrictions

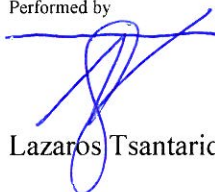
No restrictions on the duration of the validity of this classification report as long as the product specifications remain unchanged.

Warning

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

SP Technical Research Institute of Sweden Wood Technology

Performed by



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