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A-383-BOŚ/201

Poznań, 28 March 2011

Classification report on reaction to fire tests

1 Introduction

This classification report defines the classification of three-layer floorboards with oak top layer coated with LIN industrial grade lacquer in accordance with the procedures set out in EN 13501-1:2007.

CLASSIFICATION FOR REACTION TO FIRE TESTS according to EN 13501-1:2007

Commissioned by:	BARLINEK Inwestycje Sp. z o.o. ul. Przemysłowa 1 74-320 Barlinek
Prepared by:	Wood Technology Institute ul. Winiarska 1 60-654 Poznań
Notified Body no.:	1583
Name of product:	three-layer floorboards with oak top layer coated with LIN industrial grade lacquer
Classification Report no.:	5/2011
Issue number:	1
Issue date:	28.03.2011

This classification report consists of four pages and can be used or reproduced in its entirety only.

2 Detailed information about the classified product

2.1 General Provisions

The product, three-layer floorboard with oak top layer coated with LIN industrial grade lacquer is defined as a flooring.

2.2 Product description

The product, three-layer floorboards with oak top layer coated with LIN industrial grade lacquer, described below and shown in reports which are the basis for the classification listed in 3.1.

Length of individual elements	2200 mm
Width of individual elements	207 mm
Total thickness:	14 mm
Top layer thickness	3.2 mm
Product density	(696 ± 24) kg/m ³
Surface weight of the product	(9700 ± 310) g/m ²

3 Reports and results which form the basis for the classification

3.1 Reports

Name of laboratory	Commissioned by	Report no.	Method and date of testing Rules and the date of determining the scope of application
The Laboratory for testing Wood, Wood-Based Materials, Packaging, Furniture, Structures and Machine Tools, a department of Wood Technology Institute in Poznan	BARLINEK Inwestycje Sp. z o.o. ul. Przemysłowa 1 74-320 Barlinek	383/2011/S.K Protocol No 1/383/2011/S.K	EN ISO 9239-1 (radiant heat source) 23 March 2011 direct application
The Laboratory for testing Wood, Wood-Based Materials, Packaging, Furniture, Structures and Machine Tools, a department of Wood Technology Institute in Poznan	BARLINEK Inwestycje Sp. z o.o. ul. Przemysłowa 1 74-320 Barlinek	383/2011/S.K Protocol No 2/383/2011/S.K	EN ISO 11925-2 (single-flame source test) 23 March 2011 direct application

3.2 Results

Test No and method	Parameter	Number of tests	Results	
			Constant parameter - average value (m)	Consistency with parameter
EN ISO 9239-1 (radiant heat source) A-383-BOŚ/2011/6K	Critical heat flux (kW/m ²)	3	6.76	(-)
	Smoke emission (% - min)		10.07	(-)
EN ISO 11925-2 (single-flame source test) Surface exposure Exposure time: 15 s A-383-BOŚ/2011/7K	Surface spread of flame $F_s \leq 150$ mm within 20 s?	6	(-)	YES

(-): not applicable

4 Classification and scope of its application

4.1 Allocation of classification

The classification was defined in accordance with EN 13501-1:2007.

4.2 Classification

Based on the reaction to fire tests, classification of the product, three-layer floorboards with oak top layer coated with LIN industrial grade lacquer, is as follows:

C_{fl}

Owing to its emission of smoke, the product received the additional classification:

s1

The format for the classification of floors for their reaction to fire is as follows:

Fire properties		Smoke emission	
C _{fl}	-	s	1

tj.: C_{fl}-s1

Classification based on reaction to fire tests: C_{fl}-s1

4.3 Field of application

This classification applies for the following product characteristics only:

- Total thickness: at least 14 mm
- Top layer thickness at least 3.2 mm

(Test report No 383/2011/S.K of 28 March 2011)

This classification applies to the following end uses:

- The product is used in the horizontal position and the top layer is exposed.

5 Limitations

This classification document is not a technical approval or certification of the product.

The document expires on 28.03.2014, under the condition that the composition of the material or manufacturing technology do not change.

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