

Form: NKSD-100:16

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FIRE AND RESCUE DEPARTMENT
UNDER THE MINISTRY OF THE INTERIOR

FIRE RESEARCH CENTRE
PRODUCT RESEARCH DIVISION

1. Introduction

This classification report defines the combustibility class assigned to the sand and anthracite WPC (wood-plastic composite) profile "InoDeck Solid 20 (TLR)", in accordance with the procedure referred to in LST EN 13501-1:2007 + A1:2010.

**COMBUSTIBILITY CLASSIFICATION REPORT
IN ACCORDANCE WITH LST EN 13501-1:2007 + A1:2010**

Customer: UAB Intervilža
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Drafted by: Fire Research Centre
Švitrigailos str. 18, LT-03223 Vilnius

Notified body No.: 1796

Product: WPC (wood-plastic composite) profile "InoDeck Solid 20 (TLR)". Colour: sand (colour code 01) and anthracite (colour code 09)

Classification report No.: 20-5.2016.24N

Edition No.: Specimen No. 1

Date of preparation: 7 June 2016

Grounds: Works contract No. 57-27 (2GB/IKL) of 12 April 2016 and amendment No. 1 of works contract No. 57-27 (2GB/IKL) of 27 May 2016.
Application on assessment of performance, reg. No. 54-3/16.

This classification report consists of three pages and it can be used and copied only in whole.

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/egolf/

The European Group of Organisation for Fire Testing
Inspection and Certification

2. Classified product details

2.1. General part

Product, WPC (wood-plastic composite) profile "InoDeck Solid 20 (TLR)", is defined as free installation floor laying by the standard LST EN 14041:2004 and LST EN 14041:2004/AC:2007.

2.2. Product description

By customer declaration WPC (wood-plastic composite) profile "InoDeck Solid 20 (TLR)" consists of following materials:

- 1) 50 % wood flour;
- 2) 45 % PVC;
- 3) 5 % additives (paint, antiseptic agents, slip regulating additives).

Declared product linear meter mass 3,55 kg/m, width of solid core profile with 1 mm depth grooves is 136 mm, thickness 19,5 mm; profile colours: sand (colour code 01) and anthracite (colour code 09).

For the tests according to LST EN ISO 9239-1:2010 profiles were fixed with metal screws on transverse steel beams, beam wall thickness around 1,5 mm, dimensions 50 mm x 25 mm, with around 4 mm spacing between the boards.

3. Reports and results for justification of this classification

3.1. Reports

Name of the laboratory	The name of the customer	Report No.	The test method and the rules of application field
Fire and Rescue Department under the Ministry of the Interior Fire Research Centre Product Research Division	UAB Intervilža	20-14.2016.5	LST EN ISO 11925-2:2010
Fire and Rescue Department under the Ministry of the Interior Fire Research Centre Product Research Division	UAB Intervilža	20-1.2016.4	LST EN ISO 9239-1:2010

3.2. Results

Test method	Parameter	The number of tests	Results	
			Continuous parameter average	Compliance parameter
LST EN ISO 11925-2 surface effect flame exposure of 15 secs	$F_s \leq 150$ mm not longer than 20 secs	6	Yes	Complies
	filter paper ignition		No	Complies
LST EN ISO 9239-1	Critical flow $\geq 8,0$ kW/m ²	3	10,9	Complies
	Smoke generation ≤ 750 % x min		75,1	Complies

4. Classification and application field

4.1. Classification reference

This classification is carried out in accordance with LST EN 13501-1:2007+A1:2010 12 section.

4.2. Classification

The product, WPC (wood-plastic composite) sand and anthracite profile "InoDeck Solid 20 (TLR)", on combustibility is classified:

B_n

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Additional classification on smoke generation is:

s1

Fire Research Centre
Product Research Division

Classification report
No. 20-5.2016.24N

3 page
Total 3 pages

Floor laying combustibility classification form is following:

Fire nature		Smoke generation
B _n	-	s 1

i.e. B_n-s1

Combustibility class: B_n-s1

4.3. Application field

This classification is applied for following practical use conditions:

- WPC (wood-plastic composite) profile "InoDeck Solid 20 (TLR)" is fixed with metal fastening means on transverse steel beams.
- This classification is suitable for the parameters specified in item 2.2 and additionally for following product parameters:
 - The width of profile is non-standardized

5. Limitations

This classification report is not product certificate.

In this classification the combustibility class given to the product is intended to the declaration of performance characteristics, according to performance characteristics assessment and inspection 3 system (AVoCP) and CE marking, according to the Construction Products Regulation (EU) No. 305/2011, carried out by the manufacturer.

The manufacturer submitted manufacturer's declaration which is stored in Fire Research Centre Product Research Division materials. In the declaration it is confirmed that in the product manufacturing process there are no special procedures or stages (such as use of fire-resistant additives or fillers, reduction of organic materials) which would cause the improvement of firefighting properties under determination of the product's combustibility class. Thus, the manufacturer affirms that performance characteristics assessment and inspection 3 system is applicable to it.

Testing laboratory did not carry out samples selection, however it has detailed manufacturer's reference on the selection of the product and the obligation to provide for tests the products which are typical for projected in future or current production, as well as to guarantee in future stability of the quality of the production submitted for assessment of performance characteristics, and to inform immediately Fire Research Centre Product Research Division on possible change in the composition of the product.

Classification report was drafted by:
Chief Specialist
Aurelija Kindurienė /signature/

Classification report is approved by:
Head
Vytautas Jocius /signature/

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Aš Vilniaus miesto vertimų biuro vertėjas, Martynas Bartkevičius, prisiimu atsakomybę už atlikto vertimo teisingumą.

I, Martynas Bartkevičius, a translator of Vilnius City translation agency, assume all responsibility for authenticity of the translation.



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