



Textilní zkušební ústav, s.p.

Cejl 480/12, 602 00 Brno, Česká republika
(Textile Testing Institute)

TESTING LABORATORY NO. 1001

accredited according to EN ISO/IEC 17025:2018 by Czech institute for accreditation

TEST REPORT

AZL 20 / 0376-01

CUSTOMER:

Forestry Timber Export Sdn Bhd

Level 8, Block D, Dataran PHD, Saujana resort, Section U2
40150 Shah Alam, Selangor
Malaysia

SAMPLE:

(according to the customer order)

3-layer wooden parquet

thickness: 14,2 mm, oak tread layer: thickness 3,2 mm
Hevea slatted core: thickness 9 mm, milled tongue and groove
Sengon bottom backing layer: thickness 2 mm
layers glued together with EPI 1922 glue isocyanate hardener
Hardener 1999
upper tread layer: UV lacquer Bona Naturale coating



SUBJECT OF ASSESSMENT:

TESTS ACCORDING TO EN 13501-1 + A1
(EN ISO 11925-2:2020, EN ISO 9239-1:2010)

**CONDITIONS OF
APPLICATION OF THE TEST
REPORT:**

Test Report contains results of the tests related to the submitted sample only. Sampling has been done by customer. The Report may not be reproduced in any way other than as a complete set. Reproduction of certain parts of the Report is subject to approval of the test laboratory, which has issued it. All information about subcontracted tests results or unaccredited test methods is presented in text part of the test report.

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PROCEDURE OF ASSESSMENT**Reaction to fire tests – Ignitability of building products subjected to direct impingement of flame – Part 2: Single – flame source test**

was determined according to EN ISO 11925 -2:2020

- standard atmosphere for testing: temperature 21 °C, relative humidity 53 %
- dimensions of the sample: 250 mm x 90 mm
- direction of flame effect: under the angle 45° to the sample surface
- time of flame application: 15 s
- time till the end of the test: 20 s
- number of samples: 3 x longitudinal direction, 3 x transverse direction
- the place of flame effect: 40 mm above the bottom edge of the sample

Results: Flammability evaluation and time of ignition (s)**Reaction to fire tests for floorings – Part 1: Determination of the burning behaviour using a radiant heat source**

was determined according to EN ISO 9239 – 1:2010

- standard atmosphere for testing: temperature 23±2 °C, relative humidity 50±5 %
- dimensions of the sample: 1 050 ± 5mm x 230 ± 5 mm
- substrate: standard fibrous-cement board
- time of flame application: 30 min.
- number of samples: 1+3
- samples were not glued before the test

Results: Critical heat flux in (kW.m⁻²) in the direction with higher flammability**TEST RESULTS:**

3-layer wooden parquet thickness: 14,2 mm, oak tread layer: thickness 3,2 mm Hevea slatted core: thickness 9 mm, milled tongue and groove Sengon bottom backing layer: thickness 2 mm layers glued together with EPI 1922 glue isocyanate hardener Hardener 1999 upper tread layer: UV lacquer Bona Naturale coating						
Test method:	Longitudinal direction			Transversal direction		
EN ISO 11925 -2:2020	Sample 1	Sample 2	Sample 3	Sample 1	Sample 2	Sample 3
Ignition occurrence	NO	NO	NO	NO	NO	NO
Flame reached 150 mm	NO	NO	NO	NO	NO	NO
Time t ₁₅₀ (s)	0	0	0	0	0	0
Ignition of filter paper	NO	NO	NO	NO	NO	NO



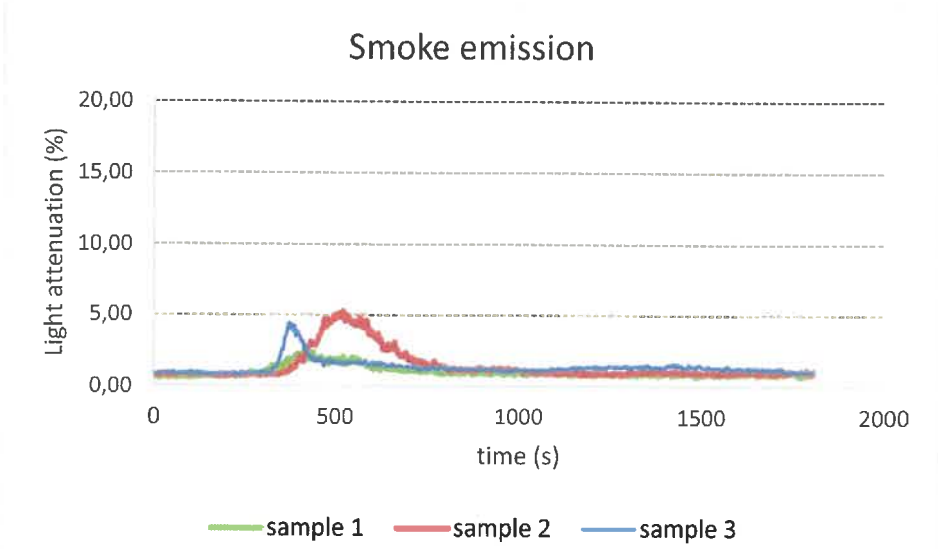


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3-layer wooden parquet
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 upper tread layer: UV lacquer Bona Naturale coating

Test method: EN ISO 9239-1:2010	transversal	longitudinal			Average Value	SD
	sample 4	sample 1	sample 2	sample 3		
Critical heat flux at extinguishment (kW.m ⁻²) CHF	10,6	-	-	-	-	-
Heat flux at 30 minutes (kW.m ⁻²) HF-30	-	4,0	4,6	4,4	4,3	0,3
Maximum light attenuation (%)	3,2	2,5	5,3	4,4	4,1	1,4
Integral light attenuation (%.min)	4,5	14,6	23,2	18,1	18,6	4,3

SD – standard deviation





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Samples after testing:

Longitudinal



Transversal



Observation during the test: Samples burned with a bright yellow flame; only moderate smoke emission recorded. Flame self-extinguished within 30 minutes after start the test.

The statement: The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Petr Nasadil
Head of Testing Laboratory

