„MEŽA UN KOKSNES PRODUKTU PĒTNIECĪBAS UN ATTĪSTĪBAS INSTITŪTS" SIA
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EN ISO/IEC 17025
T-316

Test Report
No.7067-2/2022

Forest and Wood Products Research and Development Institute
Testing Laboratory

Customer: SIA "TopDeck".

Customer's address: Cēsu street 3, k4-5A, Riga, LV-1012, Latvia.
Reg. No. 40203119268.

Manufacturer and owner of the test report: SIA "TopDeck".

Date of the order: 20.06.2022.
Testing was done according contract No. 84-07/22 MU.

Test samples received: 09.06.2022.

Test performed at: SIA "Meža un koksnes produktu pētniecības un attīstības institūts" (Forest and Wood Products Research and Development Institute Ltd), "Pienavas katlu māja", Pienava, Džūkstes pagasts, Tukuma novads, LV-3147, Latvia ("Pienava heat plant", Pienava, Džūkste parish, Tukums region, LV-3147, Latvia).

Description of product (According to customer's information)

- Product name: Decking TopDex.
- Manufacturer: SIA "TopDeck".
- Materials used for manufacturing:
  - wood plastic composite (WPC).
- Thickness: 25 mm.
- Profile type: hollow core with rippled edge surface.
- Tested colour: graphite.

Sampling:
Sampling was done by Lauris Požarnovs (SIA TopDeck) at factory of TopDeck in "Lejzemnieks", Iecavas parish on 06.06.2022. Samples taken from production line.

Application of product (according to customer's information):
Decking TopDex is intended to use as decking material. Product is identified by product standard EN 15534-1:2014+A1:2017.

Specimen preparation for testing:
Specimens were manufactured by SIA TopDeck. Specimens were prepared and delivered to testing laboratory at 09.06.2022. by SIA TopDeck.

Substrates used:
Substrates were not used.

Conditioning of specimens:
Specimens were conditioned according to standard EN 13238:2010.
Conditioning method: constant mass.
Temperature: t = 23 ± 2 ºC.
Relative humidity: RH = 50 ± 5%.
Conditioning period: 14 days.

Test standard: EN ISO 11925-2:2020.
Test date: 04.07.2022.

Test results:
Flame source was applied to surface and bottom edge, see Figure 1. Test result summary is shown in table 1.

Table 1

Specimen No.	Orientation	Flame application	Flame application time, s	Flame reach 150 mm mark, time, s	Damage by flame, mm	Ignition of filter paper, yes/no	Ignition time, s	Flameout time, s
7067-2-1	↑	surface	15	-	50	no	-	-
7067-2-2	↑	surface	15	-	50	no	-	-
7067-2-3	↑	surface	15	-	50	no	-	-
7067-2-4	↑	bottom edge	15	-	40	no	1	15
7067-2-5	↑	bottom edge	15	-	40	no	3	15
7067-2-6	↑	bottom edge	15	-	40	no	3	15

Observations during the test:
Flame source was applied to surface and bottom edge, see Figure 1. When flame source was applied to surface specimens did not ignite. When flame source was applied to bottom edge specimens flameout immediately after flame source removal. Specimens after test are shown in Figure 2.

Deviations from standard:
No.

Photo:

Fig. 1. Ignitability test (flame application to surface and bottom edge).

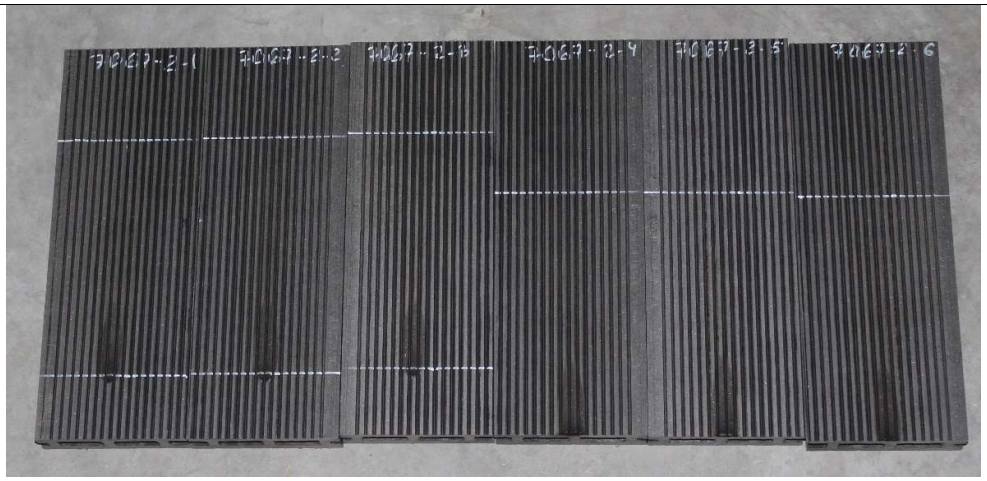

Fig.2. Specimens after tests.

According to EN ISO 11925-2:2020 test results relate to the behavior of 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.

Date of issue: 06.07.2022.

Prepared by E.Bukšāns

(signature and name)

Reviewed by K.Būmanis

(signature and name)

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