TFI Report 491634-01

Reaction to fire test

For the classification according to EN 13501-1:2010

Customer

Unifloor Underlay Systems
Arnsbergstraat 4
7418 EZ Deventer
NETHERLANDS

Product

underlay

Easylevel 7 mm

This report includes 3 pages and 1 annex(es)

Responsible at TFI

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Aachen, 05 February 2020

Dr. Bayram Aslan

The present document is provided with an advanced electronic signature.

This report only applies to the tested samples and has been established to the best of our knowledge. Only the entire report shall be reproduced. Under no circumstances, extracts shall be used. Furthermore, we apply the "General Terms and Conditions for the Execution of Contracts" of the TFI Aachen GmbH, also with regard to the order execution.

1 Transaction

Test order	Reaction to fire test for construction products according to EN ISO 11925-2:2010
Order date	17 December 2019
Your reference	F. Vousten
Product designation	Easylevel 7 mm
TFI sample number	19-12-0133
Date of manufacture	not specified
Date of sample receipt	18 December 2019
Sampling performed by	Customer

2 Product Specification

Type of underlay	combined
Material	mdf + softboard*
Total thickness [mm]	7.7
Total mass per unit area [g/m²]	3924
	*customer information

3 Results

Ignitability of products subjected to direct impingement of flame according to EN ISO 11925-2:2010

Ignition	yes
Flame tip	≤ 150 mm
Burning droplets	no
Maximum flame height [mm]	85
Time maximum flame height occurred [s]	18
Adhesion	none
Substrate according to EN 13238:2010	none

The tested product fulfils the requirement to fire class E.

The test results relate to the behaviour of the test specimens of a construction 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 construction product in use.

Notified Body No. 1658

Testing laboratory, inspection and certification body recognised by the DIBt (Deutsches Institut für Bautechnik)

DAkkS Deutsche Akkreditierungsstelle D-PL-17152-01-00

Accredited for the methods indicated in the annex to the DAkkS certificate

TFI Aachen GmbH
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HRB 8157 Aachen
VAT No. DE209411312
Managing Director
Dr.-Ing. Bayram Aslan

4 Annexes

Ignitability [a]	KB 491634-01

The annexes marked [a] are based on tests accredited in accordance with EN ISO/IEC 17025.

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Annex KB - Ignitability

1 Transaction

Product designation	Easylevel 7mm
TFI sample number	19-12-0133
Testing period	30 January 2020

2 Test Method / Requirements

EN ISO 11925-2:2010 Part 2	Ignitability of products subjected to direct impingement of flame
Substrate according to EN 13238:2010	none
Type of fixation	Loosely laid
Conditioning	Conditioning according to EN 13238:2010
Type of ignition	Surface ignition / Edge ignition
Ignition time [s]	15
Deviation from the standard	• Ignition only of the lower plate (STEICOunderfloor)

3 Results

3.1. Two edge ignition tests, suspended freely

Parameter	Specimen no.	
	1	2
Ignition point	**STEICOunderfloor**	
Orientation in relation to the direction of production	production direction	production direction
Ignition of the specimen	yes*	yes*
Flame tip (moment [s])	< 150 mm (n.r.)	< 150 mm (n.r.)
Maximum flame height [mm] (moment [s])	80 (17)	85 (18)
Burning droplets	no	no
Ignition of the filter paper	no	no

Observations: *extinguished after 20 s

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3.2. Two surface ignition tests (STEICOunderfloor), suspended freely

Parameter	Specimen no.	
	1	2
Orientation in relation to the direction of production	production direction	production direction
Ignition of the specimen	yes*	yes*
Flame tip (moment [s])	< 150 mm (n.r.)	< 150 mm (n.r.)
Maximum flame height [mm] (moment [s])	60 (15)	55 (15)
Burning droplets	no	no
Ignition of the filter paper	no	no

Observations: *extinguished after 20 s

Most critical type of ignition **Edge ignition**

3.3. Four further tests edge ignition tests, suspended freely

Parameter	Specimen no.			
	3	4	5	6
Ignition point	**STEICOunderfloor**			
Orientation in relation to the direction of production	production direction	cross production direction	cross production direction	cross production direction
Ignition of the specimen	yes*	yes*	yes*	yes*
Flame tip (moment [s])	<150 mm (n.r.)	<150 mm (n.r.)	<150 mm (n.r.)	<150 mm (n.r.)
Maximum flame height [mm] (moment [s])	85 (18)	75 (15)	80 (16)	80 (15)
Burning droplets	no	no	no	no
Ignition of the filter paper	no	no	no	no

Observations: *extinguished after 20 s

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