

TFI-Report 24-000451-07

Classification

of the Reaction to Fire according to EN 13501-1:2018

Customer LX HAUSYS LTD
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Prepared by TFI Aachen GmbH
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Notified Body No 1658

Product "Looselay 5.0T 0.7W/L"

This report includes 5 pages.



Aachen, 28.05.2024

Dr. Jacqueline Lemm



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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.

TFI Aachen GmbH is a notified testing body (NB1658) under the EU Construction Products Regulation 305/2011 for the technical specifications EN 13813:2002, EN 14041:2004/AC:2006, EN 14342:2013, EN 14904:2006 and EN 15102:2007+A1:2011 and horizontally notified for fire tests according to EN ISO 9239-1 and EN ISO 11925-2.

The test result does not include any addition or deduction for uncertainties due to measurement, sample preparation, sample collection and production tolerances.

Responsible at TFI :



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1 Introduction

This classification report defines the classification assigned to the product/s "Looselay 5.0T 0.7W/L" in accordance with the procedures given in EN 13501-1:2018.

2 Details of classified construction product

General

The construction product "Looselay 5.0T 0.7W/L" is defined as a type of product

resilient floor covering according EN 14041:2004/AC2006.

3 Reports and results in support of this classification

3.1 Test reports

| Name of Laboratory | Name of sponsor | Report ref.no. | Test method and date Filed of application rules and date |
|--------------------|-----------------|----------------------------------|-------------------------------------------------------------------|
| TFI Aachen GmbH | LX HAUSYS LTD | 24-000451-06 dated 28.05.2024 | EN ISO 9239-1:2010 EN ISO 11925-2:2020 (15 s ignition time) |

3.2 Results

| | Test method and test number | Parameter | No. Tests | Results | |
|---------|--------------------------------|----------------------------------------------------|-----------|-------------------------------------|-------------------------------|
| | | | | Continuous parameter mean (m) | Compliance with parameters |
| Product | EN ISO 9239-1:2010 | Average critical heat flux (kW/m ²) | 3 | 10.5 | Compliant |
| | | Integrated smoke value (% x min) | | 457 | Compliant |
| | EN ISO 11925-2:2020 | Flame tip ≤ 150 mm | 6 | - | Compliant |

4 Classification and field of application

4.1 Reference of classification

The classification has been carried out in accordance with EN 13501-1:2018.

4.2 Classification

The construction product "Looselay 5.0T 0.7W/L", in relation to its reaction to fire behaviour is classified:

B_{fl}

The additional classification in relation to the smoke production is:

s1



The additional classification in relation to flaming droplets/particles is:

-

The format of the reaction to fire classification for floorings is:

| Fire behaviour | | Smoke production | |
|-----------------------|---|------------------|----------|
| B_{fl} | - | s | 1 |

Classification of the reaction to fire: B_{fl} - s1

The measurement results are evaluated without consideration of the measurement uncertainty with reference to compliance with limit values, unless otherwise specified by the test standard.

4.3 Field of application

This classification is valid for the following end use application:

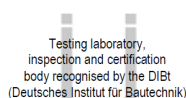
| | |
|---------------------------------------|-----------------------------------------------------------------------------------------|
| Type of end use application | flooring |
| Substrate | noncombustible substrates (Euroclass A1 and A2-s1,d0) with a gross density ≥ 1350 kg/m³ |
| Underlay for installation | no |
| Type of fixation | glued and unglued |
| Joint according to EN ISO 9239-1:2010 | no |

Limitations

This classification document does not represent type approval or certification of the product.

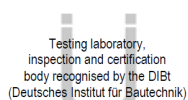
The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 of AVCP and CE marking under the Regulation 305/2011/EU of the European Parliament and the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products.

The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence, the manufacturer has concluded that system 3 attestation is appropriate.





The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.



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