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Akreditované zkušební laboratoře, Autorizovaná osoba, Notifikovaná osoba, Oznámený subjekt, Subjekt pro technické posuzování, Certifikační orgány, Inspekční orgán / Accredited Testing Laboratories, Authorized Body, Notified Body, Technical Assessment Body, Certification Bodies, Inspection Body • Prosecká 811/76a, Prosek, 190 00 Praha 9, Czech Republic

Notified Body 1020
Branch 0100 – Praha

REPORT

on the assessment of performance

according to the Regulation (EU) 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), Art. 1.4 of the Annex V (system 3)

No. 1020-CPR-010-046125

Trade name:

Resilent floor coverings according to EN 14041:2004/AC:2006

type/ variation: **Laminate flooring**

(thickness: 8.0 mm ~ 12.0 mm)

Manufacturer:

CFL FLOORING INTERNATIONAL LIMITED

Address:	16C3 TML Tower 3 Hoi Shing Road, Tsuen Wan NT, Hong Kong
Plant:	CFL Flooring (China) Co., Ltd.
Address:	No.111 Changjiang Road, Jiashan Development area, Jiaxing, P.R. China
Order:	Z010220184

Number of report pages including tittle-page: 4

Number of annexes: 4

The person taking responsibility for the content of this report:

Martin Minx
Chief Assessor

The person taking responsibility for the correctness of this report:

Stamp of the Notified Body 1020

TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p. Oznámený subjekt ZÚS 1020

Prague, October 13, 2022

Ing. Zdeněk Kočí
Deputy Manager of the Notified Body 1020

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1. Specification of tested subject

1.1. Description and intended use of the product

Resilent floor covering according to EN 14041:2004/AC:2006

type/ variation: **Laminate flooring**

Type: floor covering

Product thickness range: 8.0 mm ~ 12.0 mm

Composition: Wood fibers, Resin, Additive



Figure No. 1: Laminate flooring

1.2. Technical specification:

EN 14041:2004/AC:2006 Resilient, textile, laminate and modular multilayer floor coverings -Essential characteristics

1.3. Manufacturer and plant:

Manufacturer:	CFL FLOORING INTERNATIONAL LIMITED
Address:	16C3 TML Tower 3 Hoi Shing Road, Tsuen Wan NT, Hong Kong
Plant:	CFL Flooring (China) Co., Ltd.
Address:	No.111 Changjiang Road, Jiashan Development area, Jiaxing, P.R. China

2. Sampling

Date of the taking over in testing laboratories:

07.09.2022 (testing laboratory SGS-CSTC Standards Technical Services Co., Ltd. - Guangzhou Branch) – emission of formaldehyde testing

07.09.2022 (testing laboratory SGS-CSTC Standards Technical Services Co., Ltd. - Guangzhou Branch) – reaction to fire testing

Place of sampling: warehouse of the manufacturer

Sampler: authorized representative of the manufacturer

Transport mode: manufacturer´s transport mode

Sample registration number: XMIN2209008597CM (SGS reference number) - reaction to fire testing

CAN22-192110.001 - emission of formaldehyde testing

CAN22-192110.002 - emission of formaldehyde testing

3. The assessment of performance on basis of testing, calculation, tabuled values, descriptive documentation

The assessment was carried out on basis of testing and written declaration made by the manufacturer.

3.1 The assessment on the basis of the testing

3.1.1. An inventory of tests reports/classification reports/written declarations

Reaction to fire classification report No. 080-024956 (PKP-22-095) of 13.10.2022, issued by TZUS Prague, SOE., Branch 0800 – FIRE SAFETY

Test report No. CANMLC2219211001 of 30.09.2022, issued by SGS-CSTC Standards Technical Services Co., Ltd. – Guangzhou branch – Chemical laboratory

Declaration – reaction to fire of 06.09.2022

Written declaration of the manufacturer on dangerous substances of 06.09.2022

Test results:

Table No. 1: Laminate flooring

Characteristic	Obtained data value	Test report/Classification report No.
Reaction to fire (EN 13501-1:2018)	Reaction to fire class: B_{fl}-s1 8.0 mm – 12.0 mm product thickness Classificaion is valid for the following end use conditions: Flooring laid on the substrates of reaction to fire class $A1_{fl}$ or $A2_{fl}$	080-024956 (PKP-22-095)
Emission of formaldehyde (EN 717-1:2004)	<0.080 mg/m^3 *Class E1 according to Table No. 4 of EN 14041:2004/AC:2006* *(E1 < 0.124* mg/m^3)	CANMLC2219211001

* *Note: The manufacturer has submitted to the Notified Body a written Declaration of 10.06.2022 that no fire retardants were added to the products during the production process and the resulting reaction to fire classification was not intentionally improved.*

4. Annexes

1) Reaction to fire classification report No. 080-024956 (PKP-22-095) of 13.10.2022, issued by TZUS Prague, SOE., Branch 0800 – FIRE SAFETY

2) Test report No. CANMLC2219211001 of 30.09.2022, issued by SGS-CSTC Standards Technical Services Co., Ltd. – Guangzhou branch – Chemical laboratory
3) Declaration – reaction to fire of 06.09.2022
4) Written declaration of the manufacturer on dangerous substances of 06.09.2022

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Certification Body No 3015 accredited by the CAI
according to the ČSN EN ISO/IEC 17065:2013
Certification schemes TZUS-1a (based on the scheme 1A by ČSN EN ISO/IEC 17067:2014, based on testing)
Branch 0800 – FIRE SAFETY

REACTION TO FIRE

REPORT

in accordance with EN 13501-1:2018

080-024956

Trade name:
LAMINATE FLOORING
Type/ variation: **8.0 mm – 12.0 mm**

carried out on the basis of test reports No. GZMR2200902867301

Order No:	Z 080220004
Classification report No.:	PKP – 22 - 095
Applicant:	CFL FLOORING INTERNATIONAL LIMITED 16C3 TML TOWER 3 HOI SHING ROAD, TSUEN WAN NT, HONG KONG
Manufacturer:	CFL Flooring (China) Co., Ltd. No.111 Changjiang Road, Jiashan Development area, Jiaxing, P.R. China
Prepared by:	Technický a zkušební ústav stavební Praha, s.p. Prosecká 811/76a 190 00 Praha 9 – Prosek Czech Republic

TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p. Akreditovaný Certifikační orgán č. 3015

Date of issue: 13.10.2022

This document consists of 4 pages

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1. Introduction

1.1. This Classification Report determines the classification of a product called **LAMINATE FLOORING** in accordance with the procedures in EN 13501-1:2018.

2. Normative backgrounds:

- EN 13501-1: Fire classification of construction products and building structures - Part 1: Classification according to the results of reaction to fire tests (2018)
- ČSN EN ISO 9239-1: Reaction to fire tests for floorings - Part 1: Determination of the burning behaviour using a radiant heat source (11/2010)
- ČSN EN ISO 11925-2: Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test (7/2020)
- ČSN EN 13238: Reaction to fire tests for building products – Conditioning procedures and general rules for selectin of substrates (6/2010)
- ČSN P CEN/TS 15117: Guidance on direct and extended application (2/2006)
- EN 14041:2004/AC:2006: Resilient, textile, laminate and modular multilayer floor coverings - Essential characteristics

3. Description of the construction product

3.1. Generally

Product – **LAMINATE FLOORING** is defined as floor coverings according to the EN 14041:2004/AC:2006.

3.2. Description

Floor covering LAMINATE FLOORING is made from Wood fibers, Resin, Adhesive.
Product thickness range: 8.0 mm – 12.0 mm

The manufacturer has submitted to the Notified Body a written Declaration of 6.9.2022 that organic materials were not lowered during the production process and the resulting reaction to fire classification was not intentionally improved.

The products **LAMINATE FLOORING** is fully described in the test report in support of classification listed in clause 4.

4. Protocols and results used for this classification

4.1. Protocols

Nr.	Name of the laboratory	Name of the customer	Protocol No. (Date of issue)	Test method and issue date Application rules area and date
1	SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch	CFL FLOORING INTERNATIONAL LIMITED. 16C3 TML TOWER 3 HOI SHING ROAD, TSUEN WAN NT, HONG KONG	GZMR2200902867301 (2022-09-21)	EN ISO 11925-2:2020 EN ISO 9239:2010

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4.2. Test results

	Test method	Parameter	Number of tests	Results	
				Continuous parameter – average	Compliance the parameters
Sample 1*	EN ISO 11925-2 exposure 15 s exposure of the area/edge	Fs ≤ 150 mm during 20 s	6	yes	meets
		Ignition of filter paper		no	not classified
	EN ISO 9239-1	CHF ≥ 8,0 kW/m²	3	≥ 11	meets
		Smoke ≤ 750 (% x min)		90	meets
Sample 2*	EN ISO 11925-2 exposure 15 s exposure of the area/edge	Fs ≤ 150 mm during 20 s	6	yes	meets
		Ignition of filter paper		no	not classified
	EN ISO 9239-1	CHF ≥ 8,0 kW/m²	3	≥ 11	meets
		Smoke ≤ 750 (% x min)		70	meets

Note: Sample 1 – thickness 8.0 mm
Sample 2 – thickness 12.0 mm

5. Classification and area of direct application

5.1. Classification links

This classification was carried out in accordance with EN 13501-1:2018.

5.2. Classification

The products **LAMINATE FLOORING** is classified according to their reaction to fire:

B_{fl}

The additional classification in relation to smoke production is:

s1

Additional classification according to burning droplets / particles:

no additional classification

Modification of the reaction to fire classification for floor coverings:

Fire behavior		Smoke production			Burning particles	
B_{fl}		s	1		d	not classified

Reaction to fire classification: B_{fl}-s1

5.3. Application area

This classification applies to the following parameters:

- the product described in paragraph 2
- thickness 8.0 mm – 12.0 mm

Details of mounting and fixing:

- with all substrates of reaction to fire class A1 or A2
- with mechanically fixing
- with joints



6. Restrictions

This classification report is only valid as a whole, and each page must be provided by the identification number of the classification report, page number of the total number of pages and the stamp of the contractor.

This classification report does not replace any type approval or product certification.

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 of 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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Prague, 13.10.2022