



INITIAL TYPE TEST REPORT

According to Regulation (EU) No 305/2011
regarding construction products as Notified Body NB 2909

Customer:	Altena New Material Technology (Shandong) Co., Ltd
Manufacturing Location	No. 999, Qihang Road, Economic Development Zone, Tai'erzhuang District, Zaozhuang, Shandong, China
Address:	No. 999, Qihang Road, Economic Development Zone, Tai'erzhuang District, Zaozhuang, Shandong, China
Contact:	Rui Li
Telephone:	
Email:	Rui@altenatech.com

Report No. :	ITT_AX25-01137	Report Date:	Oct 29, 2025	Revision:	0
--------------	----------------	--------------	--------------	-----------	---

Author: **Damien BERTHE**

Function: **Verifier**

Signature:

Approved by: **Cécile PITOT**

Function: **Certifier**

Signature:

The following product(s) meet the requirements of the harmonized standard

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

System of Assessment: **System 3**

Reference / Product Code	Full Name / Designation	Description (Relevant technical specification such as thickness, dimension, composition, etc.)
/	Flooring - Flexible Safe Flooring	Length: 10 – 20 m Width: 0.96 – 2 m Total Thickness: 5.09 mm UV Coating: 0,02 mm Wear layer 0,3 mm Print: 0.07mm Base material : 2 mm Core material: 0.9 mm Backing layer: 1.8 mm Composition: UV Coating + PVC Wear Layer + PVC Print Film + PVC Base layer + PVC core layer + Fabric Backing layer

SGS France – Connectivity & Products was commissioned to provide an initial type test for **Altena New Material Technology (Shandong) Co., Ltd** who is the manufacturer of flooring.

For system 3 in EN14041:2004/AC:2006, the Notified Body assesses the reaction to fire in classes A_{1fl}, A_{2fl}, B_{fl}, C_{fl}, D_{fl} and E_{fl}, (clause 4.1), durability of reaction to fire (if applicable) in the same classes and the emission of formaldehyde (clause 4.3). In addition, SGS France performs the slipperiness (clause 4.5.1) under its accreditation 1-6488 (scope available on www.cofrac.fr).

SGS France – Connectivity & Products is Notified Body (NB) under the Construction Products Regulation ([EUROPA - European Commission - Growth - Regulatory Policy - NANDO](#)) for EN 14041:2004/AC:2006 harmonized standard. The regulation allows the subcontracting of testing and the use of historical data.



The following table summarizes the tested criteria, organisms and reported results:

Essential Characteristics	Testing Laboratory / Competent Body	Recognition	Test Report Date	Report No.	Results
Reaction to fire	SGS Anji	CNAS	Oct 21, 2025	AJFTS25005447R01_EN	B _{fl} - s1
Emission of Formaldehyde	SGS Shanghai	Authorized lab	Oct 21, 2025	SHAHL25022966201	E1
Slipperiness	SGS France – Aix en Pce	COFRAC	Oct 29, 2025	AX25-01137.001	DS

Test reports are included at the end of this report

This SGS Initial Type Test Report is issued to **Altena New Material Technology (Shandong) Co., Ltd**



ANNEX

Test Reports AJFTS25005447R01_EN from SGS China (Anji) – Reaction to fire

Test Reports SHAHL25022966201 from SGS China (Shanghai) – Emission of formaldehyde

Test Report AX25-01137.001 from SGS France (Aix en Provence) - Slipperiness

TEST REPORT

No.: AJFTS25005447R01_EN

Date: Oct 21,2025

Page 1 of 5

SGS FRANCE

135 Rue René Descartes – 13856 Aix en Provence cedex 3 – France

Sample Description : FLOORING - FLEXIBLE SAFE FLOORING
Style/Item No. : /
Composition : PVC
Client Reference Info. : DC25-03711
Supplier : ALTENA NEW MATERIAL TECHNOLOGY (SHANDONG) CO., LTD
Manufacturer : ALTENA NEW MATERIAL TECHNOLOGY (SHANDONG) CO., LTD

The above sample(s) data and information was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion arising therefrom. Results apply to the sample as received.

SGS Ref. No. : CZHL2507008194HI
Sample Receiving Date : Aug 12,2025
Testing Period : Aug 12,2025 to Aug 25,2025
Test Required : EN 13501-1:2018 Fire classification of construction products and building elements—Part 1: Classification using data from reaction to fire tests.
Test result(s) : See attached sheet

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd Anji Branch

Eva

Eva Zhang
Approved signatory

Scan to see the report



AJFTS25005447R01
Verification:
check.sgsonline.com.cn



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No. 301, Sunlight Road, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300 t (86-572) 5018825 f (86-572) 5018829 www.sgs.com
中国·浙江·安吉县阳光工业园二区阳光大道301号 邮编: 313300 t (86-572) 5018825 f (86-572) 5018829 sgs.china@sgs.com

I. Test conducted

This test was conducted as per EN 13501-1:2018 Fire classification of construction products and building elements— Part 1: Classification using data from reaction to fire tests. And the test methods as following:

1. EN ISO 9239-1:2010 Reaction to fire tests for floorings —Part 1: Determination of the burning behaviour using a radiant heat source.
2. EN ISO 11925-2:2020 Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test.

II. Details of classified product

Sample description	Flooring
Color	Brown
Sample Size	EN ISO 9239-1: 1050mm×230mm EN ISO 11925-2: 250mm×90mm
Thickness	5.3mm
Mass per unit area	7.2 kg/m ²
Exposed surface	Wood grain surface

Mounting and fixing:

Fibre cement board, with its density approximate 1800kg/m³, thickness approximate 9mm, is as the substrate. The test specimens are fixed mechanically to the substrate. No joint in the specimen.

III. Test results

Test methods	Parameter	Number of tests	Results
EN ISO 9239-1	Critical flux (kW/m ²)	3	8.7
	Smoke (%×minutes)		265.4
EN ISO 11925-2 Exposure = 15 s	Whether vertical flame spread (Fs) in excess of 150 mm within 20 s (Yes/No)	6	No



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No. 301, Sunlight Road, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300 t (86-572) 5018825 f (86-572) 5018829 www.sgs.com
中国·浙江·安吉县阳光工业园二区阳光大道301号 邮编: 313300 t (86-572) 5018825 f (86-572) 5018829 sgs.china@sgs.com

IV. Classification and direct field of application
a) Reference of classification

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

b) Classification

The product, Flooring, in relation to its reaction to fire behaviour is classified:

Fire behaviour		Smoke production	
B _{fl}	—	s	1

Reaction to fire classification: B_{fl}—s1

Remark: The classes with their corresponding fire performance are given in annex A.

c) Field of application

This classification is valid for the following end use applications:

- With all substrates classified as A1 or A2
- With mechanically fixing
- No joint

This classification is valid for the following product parameters:

- Characteristics as described in section II of this test report.

Statement:

This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

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.

Warning:

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



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No. 301, Sunlight Road, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300 t (86-572) 5018825 f (86-572) 5018829 www.sgsgroup.com.cn
 中国·浙江·安吉县阳光工业园二区阳光大道301号 邮编: 313300 t (86-572) 5018825 f (86-572) 5018829 sgs.china@sgs.com

Annex A
Classes of reaction to fire performance for floorings

Class	Test methods	Classification	Additional classification
A1 _{fl}	EN ISO 1182 ^a and	$\Delta T \leq 30^{\circ}\text{C}$, and $\Delta m \leq 50\%$, and $t_f = 0$ (i.e. no sustained flaming)	-
	EN ISO 1716	$\text{PCS} \leq 2.0\text{MJ/kg}$ ^a and $\text{PCS} \leq 2.0\text{MJ/kg}$ ^b and $\text{PCS} \leq 1.4\text{MJ/m}^2$ ^c and $\text{PCS} \leq 2.0\text{MJ/kg}$ ^d	-
A2 _{fl}	EN ISO 1182 ^a or	$\Delta T \leq 50^{\circ}\text{C}$, and $\Delta m \leq 50\%$, and $t_f \leq 20\text{s}$	-
	EN ISO 1716 and	$\text{PCS} \leq 3.0\text{MJ/kg}$ ^a and $\text{PCS} \leq 4.0\text{MJ/m}^2$ ^b and $\text{PCS} \leq 4.0\text{MJ/m}^2$ ^c and $\text{PCS} \leq 3.0\text{MJ/kg}$ ^d	-
	EN ISO 9239-1 ^e	Critical flux ^f $\geq 8.0\text{kW/m}^2$	Smoke production ^g
B _{fl}	EN ISO 9239-1 ^e and	Critical flux ^f $\geq 8.0\text{kW/m}^2$	Smoke production ^g
	EN ISO 11925-2 ^h Exposure = 15s	$F_s \leq 150\text{mm}$ within 20 s	-
C _{fl}	EN ISO 9239-1 ^e and	Critical flux ^f $\geq 4.5\text{kW/m}^2$	Smoke production ^g
	EN ISO 11925-2 ^h Exposure = 15s	$F_s \leq 150\text{mm}$ within 20 s	-
D _{fl}	EN ISO 9239-1 ^e and	Critical flux ^f $\geq 3.0\text{kW/m}^2$	Smoke production ^g
	EN ISO 11925-2 ^h Exposure = 15s	$F_s \leq 150\text{mm}$ within 20 s	-
E _{fl}	EN ISO 11925-2 ^h Exposure = 15s	$F_s \leq 150\text{mm}$ within 20 s	-
F _{fl}	EN ISO 11925-2 ^h Exposure = 15s	$F_s > 150\text{mm}$ within 20 s	

^a For homogeneous products and substantial components of non-homogeneous products.

^b For any external non-substantial component of non-homogeneous products.

^c For any internal non-substantial component of non-homogeneous products.

^d For the product as a whole.

^e Test duration = 30 min.

^f Critical flux is defined as the radiant flux at which the flame extinguishes or the radiant flux after a test period of 30 min, whichever is the lower (i.e. the flux corresponding with the furthest extent of spread of flame).

^g **s1** = Smoke $\leq 750\%$ minutes;

s2 = not s1.

^h Under conditions of surface flame attack and, if appropriate to the end use application of the product, edge flame attack.



SGS-CTC (Shanghai) Technical Services Co., Ltd.
Anji Branch Fire Technology Service

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No. 301, Sunlight Road, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300 t (86-572) 5018825 f (86-572) 5018829 www.sgs.com
中国·浙江·安吉县阳光工业园二区阳光大道301号 邮编: 313300 t (86-572) 5018825 f (86-572) 5018829 sgs.china@sgs.com

Photo Appendix:



SGS authenticate the photo on original report only

End of Report



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No. 301, Sunlight Road, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300 t (86-572) 5018825 f (86-572) 5018829 www.sgs.com
 中国·浙江·安吉县阳光工业园二区阳光大道301号 邮编: 313300 t (86-572) 5018825 f (86-572) 5018829 sgs.china@sgs.com

Test Report

No.: SHAHL25022966201

Date: Oct 21, 2025

Page 1 of 3

Client Name: SGS FRANCE

Client Address: 135 RUE RENÉ DESCARTES – 13856 AIX EN PROVENCE - FRANCE

Sample Description: Flooring - Flexible Safe Flooring

P.O. No.: DC25-03711

Manufacturer: Altena New Material Technology (Shandong) Co., Ltd

Supplier: Altena New Material Technology (Shandong) Co., Ltd

Client Ref. Information: Flooring - Flexible Safe Flooring – 0,02 mm UV coating / 0,3 mm Wear / 0,07 mm print film
PVC - Base material + core material + backing + wear = 2 mm +0,9 mm+1,8 mm+0,3 mm

Origin of the Product(s): China

The above sample(s) and information were provided by the client.

SGS No.: SHHL2509052239HI

SGS Ref. No.: CZHL2509009931HI

Sample Receiving Date: Sep 02, 2025

Testing Period: Sep 02, 2025 ~ Sep 19, 2025

Test Requested: Select test(s) as requested by the client.

Testing Performed: Follow selected test(s) as requested by client.

	Test Requirement	Conclusion
1	EN 14041:2018 - Formaldehyde Emission	See Results

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Danna Ji

Danna Ji

Approved Signatory

Scan to see the report



SHAHL25022966201

Verification:
check.sgsonline.com.cn



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Chemical Laboratory

3rd Building, No. 889 Yishan Road Xuhui District, Shanghai China 200233
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233

t E&E (86-21) 61402553 f E&E (86-21) 64953679 www.sgsgroup.com.cn
t HL (86-21) 61402594 f HL (86-21) 61156899 sgs.china@sgs.com

Test Report

No.: SHAHL25022966201

Date: Oct 21, 2025

Page 2 of 3

Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	SHA25-0229662-0001.C001	Wood-grain plastic sheet with white felt and grey soft plastic dots

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

EN 14041:2018 - Formaldehyde Emission

Test Method: With reference to EN 717-1:2004, analysis was performed by UV-Vis.

Test Item(s)	Limit	Unit(s)	MDL	A1
Formaldehyde Emission (In air)	0.12	mg/m ³	0.050	ND

Notes:

- (1) Formaldehyde class E1: ≤ 0.12 mg/m³ air
- Formaldehyde class E2: > 0.12 mg/m³ air

Remark:

The reported result is for reference only.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

3rd Building, No. 889 Yishan Road Xuhui District, Shanghai China 200233 t E&E (86-21) 61402553 f E&E (86-21) 64953679 www.sgsgroup.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t HL (86-21) 61402594 f HL (86-21) 61156899 sgs.china@sgs.com

Test Report

No.: SHAHL25022966201

Date: Oct 21, 2025

Page 3 of 3

Sample Photo:



SGS authenticate the photo on original report only

*** End of Report ***



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

3rd Building, No. 889 Yishan Road Xuhui District, Shanghai China 200233 t E&E (86-21) 61402553 f E&E (86-21) 64953679 www.sgsgroup.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t HL (86-21) 61402594 f HL (86-21) 61156899 sgs.china@sgs.com

Rapport d'essais **Test report**

SGS-CSTC Standards Technical Services Co., Ltd.

1/F, Bldg30, Black Peony Science Park
No.47 Qingyang North Road
Tianning District
213000 Changzhou City
CHINA

A l'attention de Harper SHENG

Aix-en-Provence, le 29/10/2025

RAPPORT D'ESSAIS **TEST REPORT**

Référence Client - Customer reference	Floor - Flexible Safe Flooring
Désignation produit - Submitted sample	CE Certification: Flexible Safe Flooring
Référence du rapport - Test report reference	AX25-01137.001 / DC25-03711
Bon de commande - Order	31423999
Fabricant - Manufacturer	Altena New Material Technology (Shandong) Co., Ltd
Nombre d'échantillons - Number of samples	1
Reçu - Received	18/09/2025

Conclusion : **CONFORME / PASS**

Les incertitudes de mesure ne sont pas prises en compte pour conclure sur la conformité des analyses sauf demande spécifique du client

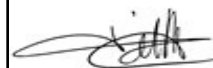
Uncertainties are not taken into account to define compliance on analysis except on specific customer request

L'échantillon analysé témoigne d'un coefficient de frottement dynamique au sens de la norme EN 13893 qui permet une classification DS sur la caractéristique de la glissance.

The tested sample shows a dynamic coefficient of friction referring to the standard EN 13893 that correspond to a DS classification for the characteristic of slipperiness.

Cécile PITOT
Expert Technique
Technical Expert

Tel. : +33 6 73 84 85 62
Fax :



The use by the client of the COFRAC mark on the report is prohibited.

The accreditation by the Cofrac attests only the competence of the Laboratories for the tests covered by the accreditation. They are identified by the symbol (C). Some analyses reported in this document are not covered by the COFRAC accreditation.

1) Test subcontracted in a SGS Laboratory. (2) Test subcontracted in a partner laboratory outside SGS group.

This document is issued by the Company under its General Conditions of Service available on request and accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. This document shall not be reproduced, except in full, without prior written approval of the Company. It includes 1 page(s).



Annexe / Appendix AX25-01137

II : DETERMINATION DU COEFFICIENT DE FROTTEMENT DYNAMIQUE - MEASUREMENT OF DYNAMIC COEFFICIENT OF FRICTION

Conditions de test :

EN 13893 : 2002

Appareil utilisé : GMG 200 (CTA-FORC-0192)

Nombre de mesures : 5 par condition, évaluation finale sur mesures #3 à #5

23 ± 2°C / 50 ± 5% humidité relative

Test conditions:

EN 13893: 2002

Device used: GMG 200 (CTA-FORC-0192)

Number of measurements: 5 in each condition, final evaluation on measurements #3 to #5

23 ± 2 ° C / 50 ± 5% HR

Mesures Measurements	Coefficient de friction dynamique (μ) – Condition à sec Dynamic coefficient of friction (μ) - Dry condition	
	Sens long Length direction	Sens transverse Cross machine direction
#1	0,52	0,49
#2	0,49	0,50
#3	0,49	0,50
#4	0,48	0,49
#5	0,49	0,49
Moyenne #3 à #5 Average #3 to #5	0,49	0,49
Spécification Requirements	EN 14041:2004/AC:2006, clause 4.5 Slip resistance: μ ≥ 0,3*	
Conclusion	PASS - considéré comme anti-dérapant sous condition sèche PASS - considered as slip resistant under dry condition	
<i>*si ce sont des revêtements de sol résilients, textiles et stratifiés, avec un usage interne et/ou externe prévu, avec un coefficient de frottement dynamique de ≥ 0,30 lorsqu'ils sont testés sorti d'usine dans des conditions sèches conformément à la norme EN 13893, peuvent être déclarés comme classe technique DS.</i>		
if resilient, textile and laminate floor coverings, with an internal and/or external intended use, and a dynamic coefficient of friction of ≥ 0,30 when tested ex-factory under dry conditions in accordance with EN 13893, can be declared as technical class DS.		

PHOTO

