

JIANGSU ALISI WOOD INDUSTRIES CO., LTD

TEST REPORT

SCOPE OF WORK

Heterogeneous PVC flooring covering (type: SPC flooring)

REPORT NUMBER

200319002SHF-006

TEST DATE(S)

2020-04-03 - 2020-06-15

ISSUE DATE

2020-06-15

PAGES

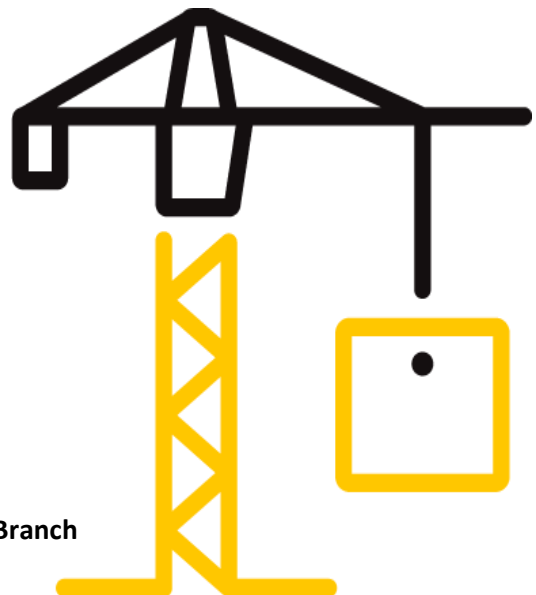
14

DOCUMENT CONTROL NUMBER

LFT-APAC-SHF-OP-10n(May 1, 2020)

© 2020 INTERTEK

Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch



Test Report

Statement

- 1.This report is invalid without company's special seal for testing on assigned page.
- 2.This report is invalid without authorized person's signature.
- 3.This report is invalid where any unauthorized modification indicated.
- 4.Don't copy this report in partial (except full copy) without any official approval in written by our company. This report is invalid without re-stamping the special seal for testing in copying report.
- 5.Any holder of this document is advised that this report is for the exclusive use of Intertek's Customer and is provided pursuant to the agreement between Intertek and its Customer. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. This report was made with due care within the limitation of a defined scope of work and on the basis of information, materials and instructions received from the Customer or its nominated third parties. Intertek is under no obligation to refer to or report upon any facts or circumstances which are outside the specific instructions received and accepts no responsibility to any parties whatsoever, following the issue of the report, for any matters arising outside the agreed scope of the works. The tests results are not intended to be a recommendation for any particular course of action. Customer is responsible for acting as it sees fit on the basis of such results.
- 6.Intertek's written consent is required to use Intertek's name or logo on the object, product or service being tested. The observations and test results in this report relate only to the sample under test. This report alone does not indicate that the item, product or service has passed any Intertek certification program.
- 7.The report was digital signed by Shang Hai, Intertek Group plc, please using Adobe Acrobat Reader to verify the authenticity.

Test Report

Issue Date: 2020-06-15 Intertek Report No. 200319002SHF-006
Applicant: JIANGSU ALISI WOOD INDUSTRIES CO., LTD
Address: Honglian Village, Henglin Town, Changzhou, Jiangsu. 213001.
Attn: Guanglin Xiong
Buyer: CHANGZHOU SURDECOR MATERIALS CO., LTD
Address: Chaoyang Road, Jiangcun Village, Henglin Town, Changzhou, Jiangsu. 213001.

Sample information

Product:	Heterogeneous PVC flooring covering (type: SPC flooring)
Model:	/
Specification:	1545*228*6.0mm/0.5mm
Material:	Multi-layer composite (UV layer/PVC wear layer/print film/SPC bottom layer)
Classification of installation and use:	Installation way: loose way with click The products are intended for use as floor coverings in a building
Manufacturer:	JIANGSU ALISI WOOD INDUSTRIES CO., LTD
Sample ID:	S200319002SHF-001~004
Date of receipt of test item:	2020-04-03
Date (s) of performance of tests:	2020-04-03~2020-06-15

Testing information

Standard:	EN 14041:2004/AC:2006
Rating(s):	Reaction to fire Class B _{fl} -s1, Formaldehyde emission Class E1
Possible Test Case Verdicts	
Test Case does not apply to the Test object:	N/A
Test object does meet the requirement:	P (Pass)
Test object does not meet the requirement:	F (Fail)
The submitted samples were tested in accordance with specified standards, and listed the result accordingly, refer to text for detail.	

Report Authorized


Name: Sally Xie Name: Tod Qian
Title: Reviewer Title: Project Engineer

Test Report

Issue Date: 2020-06-15

Intertek Report No. 200319002SHF-006

Test Items, Method and Results:

EN 14041:2004/AC:2006 Resilient, textile and laminate floor coverings-Essential Characteristics			
Clause	Requirement - Test	Result - Remark	Verdict
4	Requirement		
4.1	<p>Reaction to fire</p> <p>The floor covering shall be tested and classified according to the requirements of EN 13501-1 and the resulting class and subclass (as appropriate to the class itself) shall be declared.</p>	<p>1545*228*6.0mm/0.5mm</p> <p>Reaction to fire class B_{fl}-s1</p> <p>Refer to test report in Appendix B (Issue by NB No. 1023)</p>	P
4.3	<p>Formaldehyde emission</p> <p>When formaldehyde-containing materials have been added to the product as a part of the production process, the product shall be tested and classified into one of two classes: E1 or E2.</p>	<p>1545*228*6.0mm/0.5mm</p> <p>Class E1</p> <p>Refer to test report in Appendix B (Issue by NB No. 1023)</p>	P
4.5	<p>Slip resistance</p> <p>If a claim for slip resistance is made, the floor covering intended to be used in dry and non-contaminated conditions shall have a dynamic coefficient of friction of ≥ 0.30 when tested ex-factory under dry conditions in accordance with EN 13893 and shall be declared as technical class DS.</p>	<p>Class DS</p> <p>1545*228*6.0mm/0.5mm</p> <p>DCOF: 0.55</p>	P
5	Evaluation of conformity		
5.1	<p>General</p> <p>The conformity of floor coverings with the requirements of this standard (including classes) shall be demonstrated by: Clause 5.2 and 5.3</p>	Refer to clause 5.2 and 5.3	P
5.2	<p>Initial type testing or assessment</p> <p>Shall be performed to demonstrate conformity with this standard.</p>	Refer to clause 4	P
5.3	<p>Factory production control (FPC)</p> <p>The manufacturer shall establish, document and maintain an FPC system to ensure that the products placed on the market conform to the stated performance requirements.</p>	<p>The manufacture has established a Quality management system according to ISO 9001.</p> <p>See Appendix A</p>	P

Test Report

Issue Date:

2020-06-15

Intertek Report No.

200319002SHF-006

6	Marking and labeling Product which conform to the requirements of this document shall be clearly and indelibly marked by the manufacturer either on their package or on an adhesive label with following information: a) the number and the year of this European Standard b) the manufacturer's or supplier's identification c) the product name and batch number	See Appendix C 'Copy of marking plate'	P
---	--	--	---

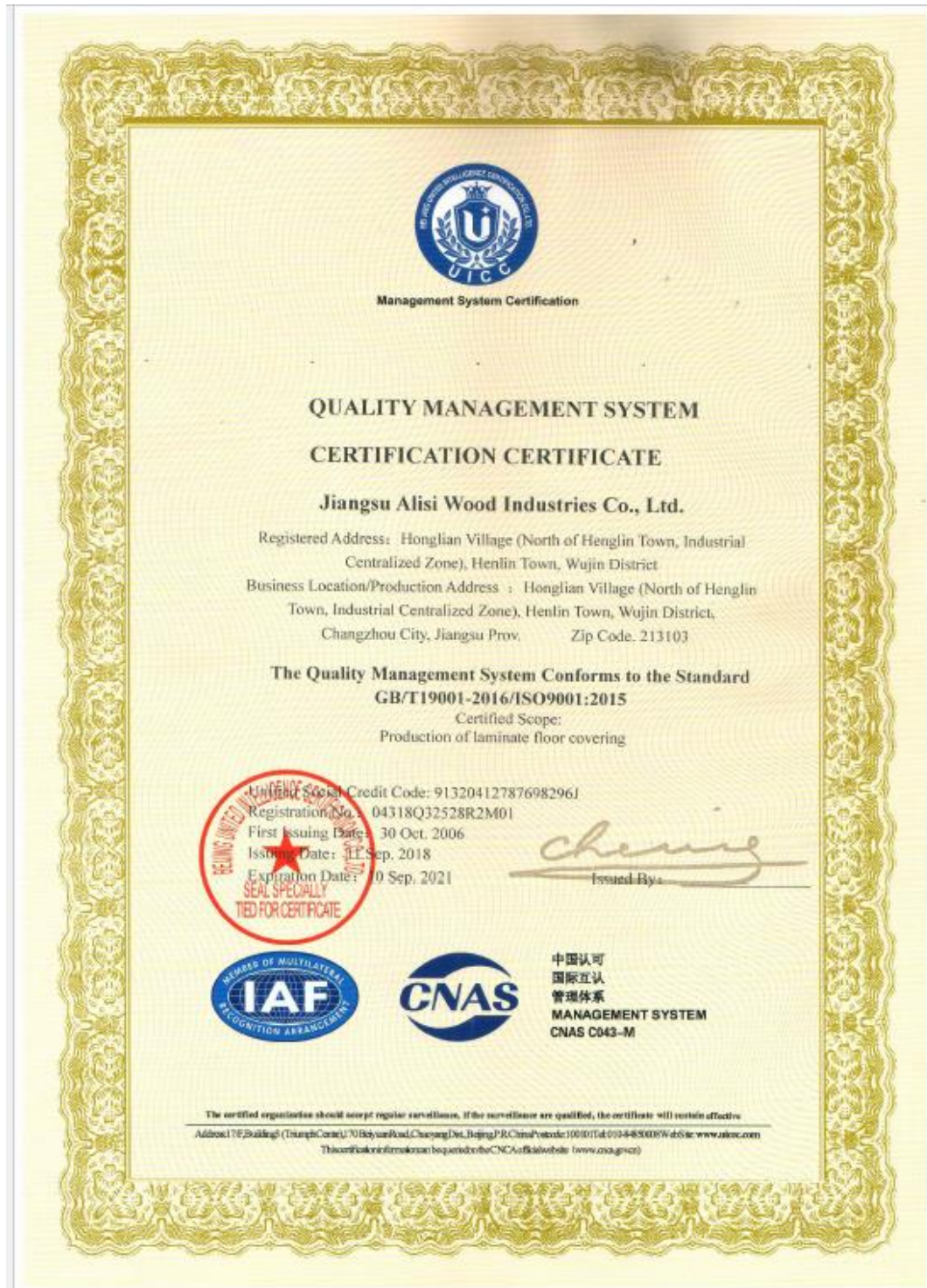


Test Report

Issue Date: 2020-06-15

Intertek Report No. 200319002SHF-006

Appendix A: ISO 9001 Certificate




Test Report

Issue Date: 2020-06-15

Intertek Report No. 200319002SHF-006

Appendix B: NB Report

Reference No. 75 35 01872
Page 1 of 6

 **INSTITUTE FOR TESTING AND CERTIFICATION, INC.**
trida Tomáše Bati 299, Louky, 763 02 Zlín, Czech Republic

TEST REPORT
Reference No. 75 35 01872/ 2020

Applicant: JIANGSU ALISI WOOD INDUSTRIES CO., LTD.
Honglian Village, Henglin Town, Changzhou,
Jiangsu 213001, China

Product: Heterogeneous PVC flooring covering,
(type: SPC flooring, 1545 x 228 x 6.0 mm/0.5 mm)

Manufacturer: JIANGSU ALISI WOOD INDUSTRIES CO., LTD.
Honglian Village, Henglin Town, Changzhou,
Jiangsu 213001, China

Elaborated by: Milan Kovář 

Issued on: 0th June 2020

 
Jiří Heš
Representative of Notified Body No. 1023

Tax & VAT Id No.: C247910381 Phone: +420 577 601 238 Fax: +420 577 104 855 e-mail: itc@itczin.cz
Company Id No.: 47910381 +420 577 601 623 +420 577 601 702 www.itczin.cz



INSTITUTE FOR TESTING AND CERTIFICATION

Notified Body 1023

763 02 Zlín, Czech Republic

Notified Body No. 1023 * State Authorized Body No. 224 * Product and Management Systems Certification Bodies * Accredited Laboratory

Reference No. 75 35 01872

Page 2 of 6

1. Introduction

This report was elaborated on the basis of the application No. 753501872, registered on 01/04/2020 and tests results carried out by the notified testing laboratory in accordance with the procedure mentioned in the article 1.4 of the Annex V to the Regulation (EU) No. 305/2011 of the European Parliament and of the Council of 9 March 2011, as amended, laying down harmonised conditions for the marketing of construction products („CPR”).

2. Assessment and verification of constancy of performance according to Regulation (EU) No 305/2011 of the European Parliament and of the Council, as amended

Floor coverings as construction products are assessed on the basis of relevant clauses of the Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9th March 2011 laying down harmonised conditions for marketing of construction products and repealing Council Directive 89/106/EEC as amended (called „CPR”).

2.1 System of assessment and verification of constancy of performance (AVCP)

The submitted product is assessed pursuant to system of AVCP 3 of the CPR (Annex V).

The type testing was carried out according to Annex ZA of the standard ČSN EN 14041 (EN 14041:2004/AC:2006).

2.2 Indicators specifying basic requirements for construction works

The initial type testing (testing) was carried out by the notified body (the notified testing laboratory) in the following range of relevant properties according to Table ZA.4 (of the ČSN EN 14041):

- Reaction to fire
 - ignitability – surface exposure according to ČSN EN ISO 11925-2 (exposure time: 15s)
 - burning behaviour using a radiant heat source according to ČSN EN ISO 9239-1 /test samples were not glued to the standard substrate/
 - classification according to ČSN EN 13501-1
- Formaldehyde emission according to ITC test regulation ITC A-19-115 (ČSN EN 717-1)



INSTITUTE FOR TESTING AND CERTIFICATION

Notified Body 1023
763 02 Zlín, Czech Republic

Notified Body No. 1023 * State Authorized Body No. 224 * Product and Management Systems Certification Bodies * Accredited Laboratory

Reference No. 75 35 01872
Page 3 of 6

2.3 Product specification

PVC heterogeneous floor covering tiles (planks). Standard dimensions: (1545 x 228) mm.

Composition :

- Total thickness: 6.0 mm – UV layer - epoxy acrylic resin, cured by UV light (0.10 mm), wear layer (0.5 mm – PVC), print film (0.10 mm), SPC bottom layer (5.3 mm – PVC+calcium carbonate)

Laying way: loose, with click

2.4 Sampling place and number of samples taken

The test samples were sent by the manufacturer. The number of the test samples sent was as follows:

- Heterogeneous PVC floor covering tiles (planks), type: SPC flooring in quantity: 8 pcs of tiles (planks) (1545 x 228) mm and 2 pcs of tiles (planks) (1545 x 228) mm (packed into PE foil)

The test samples were registered under the registration number 75 35 01872/1 on 27/04/2020.

Photo of the test sample:





INSTITUTE FOR TESTING AND CERTIFICATION

Notified Body 1023
763 02 Zlín, Czech Republic

Notified Body No. 1023 * State Authorized Body No. 224 * Product and Management Systems Certification Bodies * Accredited Laboratory

Reference No. 75 35 01872
Page 4 of 6

2.5 Place and date of testing

- Institut pro testování a certifikaci (ITC), a.s., NB 1023, accredited laboratory No. 1004 Zlín (May 2020)
- Institut pro testování a certifikaci (ITC), a.s. CSI division - Centrum stavebního inženýrství Prague, NB 1390, accredited test laboratory No.1007.4 (June 2020)

2.6 Test results

2.6.1 Ignitability results

Table 1– Ignitability test results

Characteristic	Surface exposure test – lengthwise direction (characteristic for individual test specimens)	Surface exposure test – crosswise direction (characteristic for individual test specimens)
Ignition of the test specimen Yes/No	No, No, No, No, No	No, No, No, No, No
Flame reaching of a mark in distance of 150 mm Yes/No	No, No, No, No, No	No, No, No, No, No
Burning time to reach 150 mm (s)	0, 0, 0, 0, 0	0, 0, 0, 0, 0
Ignition of the filter paper	No, No, No, No, No	No, No, No, No, No



INSTITUTE FOR TESTING AND CERTIFICATION

Notified Body 1023
763 02 Zlín, Czech Republic

Notified Body No. 1023 * State Authorized Body No. 224 * Product and Management Systems Certification Bodies * Accredited Laboratory

Reference No. 75 35 01872
Page 5 of 6

2.6.2 Results of burning behaviour using a radiant heat source

Table 2 - Results of burning behaviour using a radiant heat source

Characteristic	Measuring unit	Crosswise direction measurement	Lengthwise direction measurement (mean value)
Maximum distance of flame spread	mm	200	220.0
Critical heat flux (CHF)	kW/m ²	9.1	8.7
Distance of flame spread at 10th min.	mm	200	213.3
HF-10	kW/m ²	9.1	8.8
Distance of flame spread at 20th min.	mm	(-)	(-)
HF-20	kW/m ²	(-)	(-)
Distance of flame spread at 30th min.	mm	(-)	(-)
HF-30	kW/m ²	(-)	(-)
Maximum light attenuation	%	57.6	60.8
Integrated smoke value	% x min	349.1	361.6

2.6.3 Results of the reaction to fire classification

Table 3 - Reaction to fire classification

Product	Reaction to fire class	Additional class for smoke production	Final class
Heterogeneous PVC flooring covering, type: 3PC flooring, 1545 x 228 x 6.0 mm/0.5 mm	B ₁	s1	B ₁ - s1

2.6.4 Formaldehyde emission result



Table 4– Results of the formaldehyde emission

Product	Measuring unit	Test result (class)
Heterogeneous PVC flooring covering, type: SPC flooring, 1545 x 228 x 6.0 mm/0.5 mm	mg.m ⁻³	< 0.026 ^{a)} (E1)

Note: ^{a)} - detection limit of the method

Notified Body NB 1023 has carried out the testing in accordance with the paragraph 1.4 of Annex V to the Regulation (EU) No 305/2011, as amended for the product specified in the Art. 2.3 of this Report **and concluded that**

all requirements of this paragraph of the above Regulation and the relevant harmonized standard have been met and this report may be issued as a basis for affixing CE marking to these products.

This Report is applicable only to products identically marked and named, such as those which were the subject to testing, provided that the products characteristics have not been changed or no significant changes in their production (materials, technology, manufacturing equipment, etc.) have been done.

3. List of documents used to elaborate the Test Report


- Application No. 753501872 for assessment of CE-marked construction products
- ČSN EN 14041 (91 7883): Pružné textilní a laminátové podlahové krytiny – Podstatné vlastnosti (Resilient, textile and laminate floor coverings – Essential characteristics)
- Test Report of accredited laboratory, reference No. 753501872-01, elaborated by ITC a.s., accredited laboratory No. 1004, in Zlín, on 22/05/2020
- Test Report, reference No. 20/P268, elaborated by Institut pro testování a certifikaci (ITC), a.s. CSI division - Centrum stavebního inženýrství Prague, Accredited test laboratory No.1007.4 on 05/06/2020
- Test Report of accredited laboratory, reference No. 753501872-03, elaborated by ITC a.s., accredited laboratory No. 1004, in Zlín, on 21/05/2020
- Classification Report using Results of Reaction to Fire No. 75 35 01872K/2020, elaborated by ITC, a.s. Zlín, on 05/06/2020

Test Report

Issue Date: 2020-06-15

Intertek Report No. 200319002SHF-006

Appendix C: Copy of Marking Plate


JIANGSU ALISI WOOD INDUSTRIES CO., LTD 20
EN 14041:2004/AC:2006 Heterogeneous PVC flooring covering (type: SPC flooring) Reaction to fire Class B _{fl} -s1 Slipperiness DS Formaldehyde E1

Note:

1. If the CE marking is reduced or enlarged the proportions given in the above graduated drawing must be respected.
2. The various components of the CE marking must have substantially the same vertical dimension, which may not be less than 5 mm.
3. CE marking and label shall be affixed visibly, legibly and indelibly.

Test Report

Issue Date: 2020-06-15

Intertek Report No. 200319002SHF-006

Appendix D: Sample Received Photo



Front View



Back View

Revision:

NO.	Date	Changes	Author	Reviewer
200319002SHF-006	2020-06-15	First issue	Tod Qian	Sally Xie