

Dare (Jiangsu) Flooring Co., Ltd

TEST REPORT

SCOPE OF WORK

Engineered wood flooring

REPORT NUMBER

200622002SHF-001

TEST DATE(S)

2020-06-30 - 2020-08-31

ISSUE DATE

2020-09-02

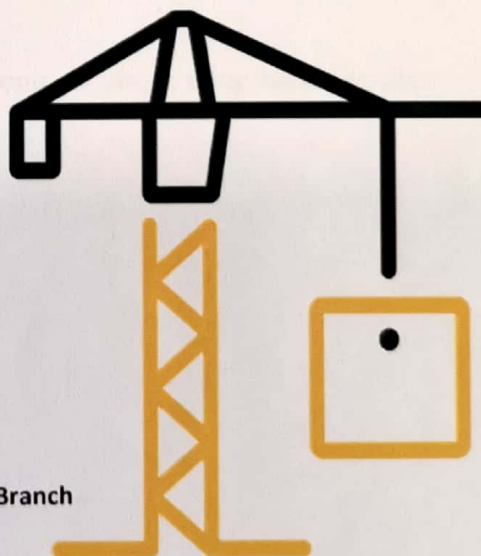
PAGES

14

DOCUMENT CONTROL NUMBER

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

© 2020 INTERTEK



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: 2020-09-02 Intertek Report No. 200622002SHF-001
Applicant: Dare (Jiangsu) Flooring Co., Ltd
Address: Dare Wood Park, Danyang Development Zone, Jiangsu, China
Attn: Yun Wang
Buyer: Power Dekor Group Co., Ltd.
Buyer Address: Dare Wood Park, Danyang Development Zone, Jiangsu, China

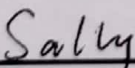
Sample information

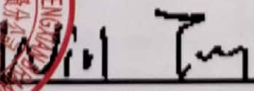
Product:	Engineered wood flooring
Trade Mark:	Power Dekor
Model and/or type reference:	930mmx189mmx15mm
Material:	Multi-layer wood floor covering Top layer: 3mm Oak wood Second layer: 9.8mm Spruce wood Third layer: 2.2mm Pine wood Surface treatment - smooth surface, Jetcoat coating, nine layers of coating, 30° of gloss Used adhesive: Dynea liquid MUF P3010
Classification of installation and use:	Installation way: floating installation with click system The products are intended for use as floor coverings in a building
Manufacturer:	Dare (Jiangsu) Flooring Co., Ltd
Sample ID:	S200622002SHF-001~008
Date of receipt of test item:	2020-06-30
Date (s) of performance of tests:	2020-06-30~2020-08-31

Testing information

Standard:	EN 14342:2013
Rating(s):	Reaction to fire Class C _{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
Title: Reviewer


Name: Will Tan
Title: Project Engineer



Test Report

Issue Date: 2020-09-02

Intertek Report No. 200622002SHF-001

Test Items, Method and Results:

EN 14342:2013			
Wood flooring - Characteristics, evaluation of conformity and marking - Essential Characteristics			
Clause	Requirement - Test	Result - Remark	Verdict
4	Requirement		
4.1	Dimensional characteristics Dimensional characteristics of a wood flooring product and parquet shall be in line with those defined in the relevant specific product standard.	Dimensional characteristics comply with product standard EN 13489:2017	P
4.2	Reaction to fire The reaction to fire performance of a wood flooring product and parquet, whether treated or not, shall be classified in accordance with EN 13501-1, after being tested in accordance with the test standards given therein and the relevant reaction to fire class declared.	Reaction to fire class C _{fl} -s1 Refer to test report in Appendix B (Issued by NB No. 1023)	P
4.3.1	Release of Formaldehyde Formaldehyde release of wood flooring product and parquet shall be determined and declared as a class E1 or E2 according to Annex A.	Class E1 Refer to test report in Appendix B (Issued by NB No. 1023)	P
4.3.2	Content of pentachlorophenol If the product contains raw material that may include PCP or when required, then the product shall be tested in accordance with CEN/TR 14823. In case the value of 5 ppm is exceeded, the indication "PCP > 5ppm" shall be declared. In the other case, it is necessary to declared PCP ≤ ppm.	< 5 ppm	P
4.6	Slip resistance Where subject to regulatory requirements, the slipperiness value shall be determined and declared in accordance with the pendulum test described in CEN/TS 15676.	USRV Dry: 58	P
4.7	Thermal conductivity Shall be either determined and the value declared according to EN 12664 or given by using tabulated values related to density as shown in Table 2, in line with EN ISO 10456.	Mean temperature: 24 °C Temperature difference: 13 °C Thermal conductivity: 0.096 W/(m·K)	P

Test Report

Issue Date:

2020-09-02

Intertek Report No. 200622002SHF-001

EN 14342:2013			
Wood flooring - Characteristics, evaluation of conformity and marking			
Clause	Requirement - Test	Result - Remark	Verdict
5	Evaluation of conformity		
5.1	General The compliance of Wood flooring with the requirements of this standard and with the declared values (including classes) shall be demonstrated by 5.2 and 5.3. The manufacturer shall always retain the overall control and shall have the necessary means to take responsibility for the product.	Refer to clause 5.2 and 5.3	—
5.2	Initial Type Testing – Type Testing Initial Type Testing and Type Testing shall be performed to demonstrate compliance with this European Standard.	Refer to clause 4	-
5.3	Factory production control (FPC) The manufacturer shall establish, document and maintain an FPC system to ensure that the products placed on the market comply with the declared performance of the characteristics.	The manufacture has established a Quality management system according to ISO 9001. See Appendix A	P
6	Marking, labelling and packaging Marking of the wood flooring product and parquet shall include the relevant characteristics for the intended application and shall be completed by the supporting specific product standard information on marking. The marking shall include; a reference to this standard (EN 14342) and the information according to a), b) and c), below: a) marking requirements based on classes: 1) reaction to fire; 2) formaldehyde class E1, or E2; 3) content of pentachlorophenol b) marking requirements based on declared values (if relevant): 1) breaking strength; 2) slip resistance; 3) thermal properties; 4) biological durability; c) information on the mode of installation	See Appendix C 'Copy of marking plate'	P

Test Report

Issue Date: 2020-09-02

Intertek Report No. 200622002SHF-001

Appendix A: ISO 9001 Certificate



CQM
CERTIFICATION

CERTIFICATE

Quality Management Systems Certificate

Certificate Number: 00220Q21282R2M

CQM hereby certifies that

Dare (Jiangsu) Flooring Co.,Ltd.

United Social Credit Code: 91321181745596275J
Domicile: (Dare Wood Industrial Park) Xiwang Road, Development Zone, Danyang City, Zhenjiang City, Jiangsu, P.R.China
Certification Add: (Dare Wood Industrial Park) Xiwang Road, Development Zone, Danyang City, Zhenjiang City, Jiangsu,
P.R.China(212200)

has implemented and maintains a Quality Management System which fulfils the
requirements of the following standards

GB/T 19001-2016/ISO 9001:2015

Quality management systems---Requirements

This certificate is valid to the following product(s)/service:

Design, development and production of engineered wood flooring

Issued on: 2020-04-24
Effective date: 2020-04-24
Validity date: 2023-05-06
Registration Number: CQM-32-2004-0613-0001

The validity of the certificate can be checked on www.cqma.gov.cn, Certificate Confirmation and CQM website

Ji Xiao Dong



GB/T 19001





中国认可
国际互认
管理体系
MANAGEMENT SYSTEM
CNAS C002-M

CHINA QUALITY MARK CERTIFICATION GROUP

Address: No.30 Zhongguang Road, Haidian District, Beijing, 100080, P.R. China
<http://www.cqma.com.cn>

Test Report

Issue Date: 2020-09-02

Intertek Report No. 200622002SHF-001

Appendix B: NB Report

Reference No. 75_35 01910
Page 1 of 6



INSTITUTE FOR TESTING AND CERTIFICATION, INC.

Uřad Tomáše Bati 209, Louky, 763 02 Zlín, Czech Republic

TEST REPORT

Reference No. 75_35 01910/ 2020

Applicant:

Dare (Jiangsu) Flooring Co. Ltd.
Dare Wood Park, Danyang Development Zone,
Jiangsu, China

Product:

Engineered wood flooring, specification: 930 x
189 x 15 mm, brand name: Power Dekor

Manufacturer:

Dare (Jiangsu) Flooring Co. Ltd.
Dare Wood Park, Danyang Development Zone,
Jiangsu, China

Elaborated by: Milan Kovář

Issued on: 27th August 2020



Signature of Jiří Heš
Jiří Heš

Representative of Notified Body No. 1023

Test Report

Issue Date:

2020-09-02

Intertek Report No.

2006220025HF-001



INSTITUTE FOR TESTING AND CERTIFICATION

Notified Body 1023

763 02 Zlín, Czech Republic

Notified Body No. 1023 - Stone Authentication Body No. 124 - Product and Management Systems Certification Bodies - Accredited Laboratory

Reference No. 75-36 01910

Page 2 of 6

1. Introduction

This report was elaborated on the basis of the application No. 753601910, registered on 08/07/2020 and test results carried out by the notified testing laboratory in accordance with the procedure mentioned in the article 14 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 (testing) was carried out according to Annex ZA of the standard ČSN EN 14342:2017 (EN 14342:2013).

2.2 Indicators specifying basic requirements for construction works

The type testing (testing) was conducted by the notified body (the notified test laboratory) covered the following range of relevant properties according to Table ZA.3.2 (of the ČSN EN 14342:2017):

- 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 on 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)

Test Report

Issue Date:

2020-09-02

Intertek Report No.

200622002SHF-001



INSTITUTE FOR TESTING AND CERTIFICATION

Notified Body 1023
763 02 Zlín, Czech Republic

Notified Body No. 1023 * State Authorised Body No. 234 * Product and Management Systems Certification Bodies * Accredited Laboratory

Reference No. 75 35 01910
Page 3 of 6

2.3 Product specification

Multi-layer wood floor covering in a form of boards (elements).
Board dimensions: (930 x 189 x 15) mm

Composition:

- 1) Top layer: Oak wood – 3 mm
- 2) Second layer: Spruce wood – 9.8 mm
- 3) Third layer: Pine wood – 2.2 mm

Surface treatment – smooth surface, Jelcoat coating, nine layers of coating, 30° of gloss
Used adhesive: Dyma liquid MLUF P3010

Laying: Floating with click system

Picture of the test sample:



Test Report

Issue Date: 2020-09-02

Intertek Report No. 200622002SHF-001



INSTITUTE FOR TESTING AND CERTIFICATION

Notified Body 1023
763 02 Zlín, Czech Republic

Notified Body No. 1023 - State Authorised Body No. 224 - Product and Management Systems Certification Bodies - Accredited Laboratory

Reference No. 75 35 01910
Page 4 of 6

2.4 Sampling place and number of samples taken

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

- Multi-layer wood floor covering, brand name: Power Dekor, in the amount: 18 pcs of boards (1900 x 190 x 8) mm packed into PE foil.

The test samples were registered under the registration number 75_35_01910/1 on 20th July 2020

2.5 Place and date of testing

- Institut pro testování a certifikaci (ITC), a.s., NB 1023, accredited laboratory No. 1004 Zlín (August 2020)
- Institut pro testování a certifikaci (ITC), a.s. CSI division - Centrum stavebního inženýrství Prague, NB 1390, accredited test laboratory No.1007 4 (August 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
Burning time to reach 150 mm (s)	*, *, *, *, *	*, *, *, *, *
Ignition of the filter paper	No, No, No, No, No	No, No, No, No, No

Test Report

Issue Date:

2020-09-02

Intertek Report No. 200622002SHF-001



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 01910
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	360	366.7
Critical heat flux (CHF)	kW/m ²	6.0	5.4
Distance of flame spread at 10h min.	mm	250	270.0
HF-10	kW/m ²	8.1	7.7
Distance of flame spread at 20h min.	mm	320	356.7
HF-20	kW/m ²	6.7	6.1
Distance of flame spread at 30h min.	mm	(-)	(-)
HF-30	kW/m ²	(-)	(-)
Maximum light attenuation	%	9.1	10.1
Integrated smoke value	% x min	75.6	81.0

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
Multi-layer wood floor covering, specification: (930 x 189 x 15) mm, brand name: Power Dekor	C _{s1}	s1	C _{s1} - s1

Test Report

Issue Date:

2020-09-02

Intertek Report No.

2006220025HF-001



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 01910

Page 6 of 6

2.6.4 Formaldehyde emission result

Table 4- Results of the formaldehyde emission

Product	Measuring unit	Test result (class)
Multi-layer wood floor covering, specification: (930 x 189 x 15) mm, brand name: Power Dekor	mg.m ⁻³	< 0.026 ^m (E1)

Note: ^m - 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. 753501910 for assessment of CE-marked construction products
- CSN EN 14342: 2017 (49 2109): Dřevěné podlahoviny-Charakteristiky, posuzování shody a označení (Wood flooring – Characteristics, evaluation of conformity and marking)
- Test Report of accredited laboratory, reference No. 753501910-01, elaborated by ITC a.s., accredited laboratory No. 1004, in Zlín, on 11/08/2020
- Test Report, reference No. 20/P420, elaborated by Institut pro testování a certifikaci (ITC), a.s. CSI division - Centrum stavebního inženýrství Prague, Accredited test laboratory No 1007 4 on 27/08/2020
- Test Report of accredited laboratory, reference No. 753501910-03, elaborated by ITC a.s., accredited laboratory No. 1004, in Zlín, on 17/08/2020
- Classification Report using Results of Reaction to Fire No. 75 35 01910K/2020, elaborated by ITC, a.s. Zlín, on 27/08/2020

Test Report

Issue Date: 2020-09-02

Intertek Report No. 200622002SHF-001

Appendix C: Copy of Marking Plate

CE	
Dare (Jiangsu) Flooring Co., Ltd	
20	
EN 14342:2013	
Engineered wood flooring	
Reaction to fire: Class C _{fl} -s1	
Release of formaldehyde: Class E1	
Content of pentachlorophenol: < 5ppm	
Slipperiness:	USRV 58
Thermal conductivity:	0.096 W/(m·k)

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: 2020-09-02

Intertek Report No. 200622002SHF-001

Appendix A: Sample Received Photo



Front View



Back View

Revision:

NO.	Date	Changes	Author	Reviewer
200622002SHF-001	2020-09-02	First issue	Will Tan	Sally Xie