

PRODUCT TYPE-TESTING PROTOCOL 1393-CPD-0688

In compliance the Directive 89/106/EEC of the Council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the construction products (Construction Products Directive – CPD), amended by the Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that construction product

placed on the market by:

**Jilin Forest Industry Jinqiao Flooring
Group Co., Ltd.**

**Bei Kaixuan Road and Qianjin Street
Lanjia Town, Kuancheng District
Changchun, Jilin
China**

and produced in the factory:

**Jilin Forest Industry Jinqiao Flooring
Group Co., Ltd.**

**Bei Kaixuan Road and Qianjin Street
Lanjia Town, Kuancheng District
Changchun, Jilin
China**

Wood flooring – multi-layer parquet elements

is submitted by the manufacturer to a production control and that the approved body - Timber Research and Development Institute Praha - has performed the initial type-testing for the relevant characteristics of the product (system 3).

This protocol attests that all provisions concerning the attestation of conformity and the performances described in Annex ZA of the standard

EN 14342:2005+A1:2008

a were applied and that the product fulfils all the prescribed requirements.

This protocol was first issued on 13 January 2011 and remains valid as long as the conditions laid down in the harmonized technical specification in reference of the manufacturing conditions in the factory or the FPC itself are not modified significantly, and latest on 13 January 2014.

The protocol must not be copied in another form than as a whole. If only a part is to be used, a written consent of the authorized person who issued this protocol is required.

Date: 2014-01-13
Number of pages: 3
Annexes: 1 test protocol




Ing. Jitka Beránková, Ph.D.
Head of Notified Body No. 1393

1. INFORMATION ABOUT THE PRODUCT

Wood flooring – three-layer and multi-layer engineered wood flooring for interior use. Top layer oak, elm, walnut, birch, maple, teak - (8-28)*(60-360)*(200-3000)mm.

2. TECHNICAL DOCUMENTS

EN 14 342 Wood flooring – Characteristics, evaluation of conformity and marking

EN 13 489 Wood flooring – Multi-layer parquet elements

3. RESULTS OF EXAMINATIONS AND THEIR EVALUATION

Results of examinations are part of the protocol Test report FCHL – 893/11 from 10.1.2011 issued by Material and product testing department – The physical and chemical laboratory, Testing laboratory No. 1031 accredited by ČIA.

The following charts illustrate the evaluation of examination results:

Essential characteristics

Assessed property	Classification or test method	Requirement	Result or classification	Evaluation
Moisture content	EN 13183-1	9 ±2 %	5,9 %	Fulfil*
Width – permit. deviation	EN 13647	±0,2 mm	-0,2 mm	Fulfil
Reaction to fire	EN 13501-1	-	D_{fl-s1}	Multi-layer parquet, thickness 15 mm, with surface finish.
Release of formaldehyde	EN 717-1	≤ 0,124 mg/m ³	≤ 0,010 mg/m³	Fulfil
Emission of pentachlorophenol	prCEN/TR 14823	≤ 5 ppm	≤ 5 ppm	Fulfil – producer declares he does not use any pentachlorophenol containing materials.

Declared characteristics

Assessed property	Classification or test method	Requirement	Result or classification	Evaluation
Breaking strength	EN 1533	-	-	Without declaration - NPD.
Slipperiness	CEN/TS 15676	-	-	Without declaration - NPD.
Thermal conductivity	EN ISO 10456 EN 12664	-	-	Without declaration - NPD Where a thermal conductivity value is declared, it shall be determined according to EN 12664 or given by using tabulated values taken from EN ISO 10456.

* The result value of moisture is lower than requirement value. Because this value is closely under limit, we can the difference between the result value and requirement value ignore.

Biological durability	EN 335-1 EN 335-2	Class 1	Class 1	Without declaration – NPD Where a wood component is inaccessible or where the consequences of its failure are serious, it may be more appropriate to consider a more durable timber or a more intensive preservative treatment.
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Elaborated by: Ing. Ludmila Koteňová



Test report No. FCHL - 893/11

Customer:

Timber Research and Development Institute, Praha, s.p.

Notified body 1393

Na Florenci 7-9

111 71 Prague 1

Object of the test

ENGINEERED WOOD FLOORING

Date: 2011-01-10

Number of pages: 3

Number of annexes: 0

Copies: 3

Distribution list: 2 copies customer
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The results of tests contained in this Test Protocol apply only to the subject tested and the Test Protocol does not mean approval of the product by the body granting accreditation or by any other body. The tests outside the extent of accreditation and sub-contracted are designated. The ČIA accreditation does not apply to the results of tests titled „Outside the extent of accreditation“.

The Protocol shall not be copied otherwise but as a whole, and to use its part or section you need the written consent of the testing laboratory.

Original copies have relief stamp.



Ing. Jaromír Srba
Head of the physical and chemical laboratory

1. OBJECT AND PURPOSE OF THE TEST:

The object of the test was the determination of the geometrical and emission characteristics by the supplied samples of covered Engineered Wood Flooring.

2. TEST SAMPLES:

~ sample codes	:	sample nr. 1
~ sample name	:	Engineered Wood Flooring,
~ producer	:	Jilin Forest Industry Jinqiao Flooring Group Co. Ltd., Bei Kaixuan Road and Qianjin Street Lanjia Town, Kuancheng District Changchun, Jilin, China
quantity, size	:	8 pieces, (500 x 189) mm
~ nominal thickness (mm)	:	15
~ date of production	:	unknown

3. RECEIPT OF SAMPLES:

~ date of reception:	January 4. 2011
~ place of reception:	VVÚD – FCHL
~ received:	VVÚD; Ing. Srba
~ handed down:	NO 1393; Ing. Beránková

4. TEST METHOD:

- a) ČSN EN 13647 Wood and parquet flooring and panelling and cladding –
Determination of geometrical characteristics

It was done only determination of width 5 test pieces.

- b) ČSN EN 13183 - 1 Moisture content of a piece of sawn timber – Part 1: Determination by
oven dry method

From the samle were prepared 5 test pieces.

- c) TP-VVÚD-2.64.001 (ČSN EN 717-1) – Determination of formaldehyde in test chamber of VVÚD

➤ volume of the chamber	0,225 m ³
➤ determination of emission value	by the acetylacetone method

Test method TP-VVÚD-2.64.001 is available in laboratory VVÚD.

Prepare test pieces in accordance with **ČSN EN 14342 article B1**

5. DATE OF TEST:

January 4. – 6. 2011

6. TEST RESULT:

6.1 Moisture content

Sample no. 1

<i>average value</i>	5,9 %
<i>minimum value</i>	5,8 %
<i>maximum value</i>	6,0 %

6.2 Geometrical characteristics

Sample no. 1

Main dimensions

Nominal dimension of element – (500 x 189 x 15) mm

width:

<i>average value ($b_{str.}$)</i>	189,8 mm
<i>minimum value (b_{min})</i>	189,7 mm
<i>maximum value (b_{max})</i>	189,8 mm

6.3 Emission value *sample no. 1* **0,010 mg HCHO/m³ of air**