TEST REPORT

Construction products Regulation (EU) No 305/2011 Report No.: TCF190807021CPR

Product: Multilayer Engineered Wood Flooring

Applicant:

JESONWOOD FOREST PRODUCTS (ZJ) CO., LTD



| ASSESSMENT REPORT | | | | | | |
|--|--|--|--|--|--|--|
| per | | | | | | |
| EN 14342:2013 | | | | | | |
| Wood flooring and parquet — Characteristics, evaluation of conformity and marking | | | | | | |
| Report | | | | | | |
| Reference No:: No:TCF190807021CPR | | | | | | |
| Tested by(signature): Jing Xing Can Jing Xingcan | | | | | | |
| Reviewed by(signature): Huang Jian | | | | | | |
| Tested by(signature): Jing Xing Can Jing Xing Can Reviewed by(signature): Huang Jian Huang Jian Approved by(signature): zhang Liang Dong Date of issue | | | | | | |
| Date of issue: 2019-08-02 | | | | | | |
| Number of pages (Report): 7 | | | | | | |
| Client | | | | | | |
| Name: JESONWOOD FOREST PRODUCTS (ZJ) CO., LTD | | | | | | |
| Address : No.598 Gaoxin Road, Wuxing Area, Huzhou, Zhejiang, China | | | | | | |
| Testing laboratory Name:Morgarn Lab. | | | | | | |
| Address: Unit 144, Seaway Parade PORT TALBOT SA14 6BR ,UK | | | | | | |
| Test specification | | | | | | |
| Standard: EN 14342: 2013 | | | | | | |
| Test procedure: CE-CPR | | | | | | |
| Non-standard test method: N.A. | | | | | | |
| Test item description: | | | | | | |
| Manufacturer : JESONWOOD FOREST PRODUCTS (ZJ) CO., LTD(Jiangsu) | | | | | | |
| Factory:: JESONWOOD FOREST PRODUCTS (ZJ) CO., LTD(Jiangsu) | | | | | | |
| Trademark: N/A | | | | | | |
| Model/Type reference:: 9mm | | | | | | |
| | | | | | | |
| General product information: The product is Multilayer Engineered Wood Flooring . | | | | | | |

| Test item particulars: |
|---|
| Description of equipment function: Multilayer Engineered Wood Flooring |
| Overall size of the equipment (L x W x H): N/A |
| Thickness of the equipment (g) |
| Accessories and detachable parts included in |
| the evaluation |
| Option |
| Test case verdicts: |
| Test case does not apply to the test object: N(N/A) |
| Test object does meet the requirement: P(Pass) |
| Test object does not meet the requirement: F(Fail) |
| Testing: |
| Date of receipt of test item: 2019-07-29 |
| Date (s) of performance of tests: 2019-08-02 |
| General Remarks: |
| This report shall not be reproduced, except in full, without the written approval of the issuing |
| testing laboratory. |
| The test results presented in this report relate only to the item(s) tested. |
| "(see remark #)" refers to a remark appended to the report. |
| "(see Annex #)" refers to an annex appended to the report. |
| Summary of testing: |
| Ambient temperature :20°C ~24 , humidity:5 °C 5%~65% |
| Complete test was conducted on 9mm. |
| The thickness of the product is from 9mm to 21mm. |
| Summary of Test Results (Information/Comments): |
| According to the applicant's requirements, the product was tested and evaluated by this standard. |
| The product has been evaluated and found in compliance with the essential health and safety |
| requirements. |
| |

| Test Property | Test Method | Test F | Principle / Re | equirer | nents | 5 | | Test Result |
|---|--|--|--|--|--|--|---|-----------------------------|
| Dimensional characteristics Reaction to | EN 14342:2013 Clause 4.1 EN 14342:2013 | For moisture content, the equilibrium of wood and parquet flooring will depend on the surrounding temperature and relative humidity of the site before installation and on the service conditions. Dimensional characteristics of a wood flooring product and parquet shall be in line with those defined in the relevant specific product standard. Products meeting the definition given in | | | | The moisture content is 4.6%. Pass. | | |
| fire | Clause 4.2 &EN13501-1 | witho shown classi EN specifi fixing produ mann end u | Table 1 are considered to be classified without further testing in the class(es) shown. Other products shall be tested and classified (as flooring) in accordance with EN 13501-1 with, in addition to any specific provisions on mounting and fixing given in the test standards, the products being mounted and fixed in a manner representative of their intended end use. | | | | The anti-fire level is DfI-s1. | |
| | | Product ^{a, g} Wood flooring | Product detail ^d Solid flooring of oak or beech | Minimum mean density ^e (kg/m ³) Beech: 680 | Minimum overall thickness (mm) 8 | End-use condition | Class ^c for floorings C ₁ -s1 | |
| | | and parquet | with surface coating Solid flooring of oak, beech or spruce and with surface coating Solid wood flooring with surface | Oak: 650 Beech: 680 Oak: 650 Spruce: 450 | 20 | With or without air gap underneath | | |
| | | | coating and not specified above | 390 | 8 20 | Without air gap underneath With or without air gap underneath | D _{ft} -s1 | |
| | | Wood parquet | Solid wood flooring and parquet not specified above ¹ Multilayer parquet with a top layer of oak of at least 5 mm thickness and with surface coating | 400 650 (top layer) | 6 10 14 ^b | All Glued to substrate ^f With or without air gap underneath | En Cn-s1 | |
| | | | Multilayer parquet with surface coating and not specified above | 500 | 8 10 14 ^b | Glued to substrate Without air gap underneath With or without air gap underneath | D ₈ - s1 | |
| | | | Solid wood (one layer) parquet of walnut ⁱ | 650 | 8 | Glued to substrate | Dn-s1 | |
| | | | Solid (one layer) parquet of oak, maple and ash ⁱ | Ash:650 Maple: 650 Oak: 720 | 8 | Glued to substrate ^j | D _{ff} -s1 | |
| | | | Multilayer parquet with oak top layer, at least 3,5 mm ¹ | 550 Pine: 480 | 15 ^h | Without air gap underneath | D _{ff} -s1 | |
| | | Wood flooring | Solid wood flooring of pine and spruce ⁱ | Spruce: 400 Beech: 700 | 14 | Without air gap underneath | D _{ff} -s1 | |
| | | | Solid flooring of beech, oak, pine or spruce ⁱ | Oak: 700 Pine: 430 Spruce: 400 | 20 | With or without air gap underneath | D _{ff} -s1 | |
| | | Veneered floor covering | Veneered floor covering with surface coating | 800 | 6 ^b | Without air gap underneath | D ₈ - s1 | |
| | | b An interlaye products with | accordance with EN ISO 9239-1, on a s ap underneath. r of at least Class E and with maximum h 14 mm thickness or more and for vene wided for in Commission Decision 2000/ | thickness 3 mm may t ered floor coverings. | | | | |
| | | | | | Pass. Release:1.2mg/m ² h | | | |
| | | a part of the production process, the product shall be tested and classified into one of two classes: E1 or E2. E1 Release $\leq 3.5 \text{ mg/m}^2\text{h}$ | | | | | d into | The product is E1 Class. |
| | | E2 Release> 3.5 mg /m ² h to \leq 8 mg /m ² h | | | | | | |

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Test Property

| L | CF19080/021CPR | | P4// |
|---|----------------|-------------------------------|-------------|
| | Test Method | Test Principle / Requirements | Test Result |

| | EN 1 42 42 2012 | | D |
|--|---|--|---|
| Emission of pentachlorophenol | EN 14342:2013 Clause 4.3.2 | Parquet and wood flooring normally contains less than 5ppm of pentachlorophenol (PCP). If the product contains raw materials that include PCP (may concern soft wood treated against blue stain), then the product shall be tested according to methods valid in the country of use of the product. In case the value of 5ppm is exceeded, the indication "PCP > 5ppm" shall be added to the marking. | Pass. Emission of pentachlorophenol is less than 5ppm. |
| Release of other dangerous substances | EN 14342:2013 Clause 4.4 | National regulations on dangerous substances may require verification and declaration on release, and sometimes content, of other dangerous substances, in addition to those dealt with in other clauses, when construction products covered by this standard are placed on those markets. In the absence of European harmonised test methods, verification and declaration on release/content should be done taking into account national provisions in the place of use. | Pass. Not release the dangerous substance. |
| Breaking strength | EN 14342:2013 Clause 4.5& EN 1533 | If breaking strength is required, it shall be tested for the installation required according to EN 1533 depending on the risk, if any. The result shall be expressed in terms of maximum load. This requirement does not apply to veneer floor coverings. | Pass. The breaking strength is 132MPa. |
| Slipperiness | EN 14342:2013 Clause 4.6 &EN1339 | a) <u>Static line loading head</u> (%) (%) (%) (%) (%) (%) (%) (%) (%) (%) | Pass. The USRV is 66. |

Test Property Test Method

Test Principle / Requirements

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| Test Report No 1 | P0// | | |
|------------------|-------------|--|-------------|
| Test Property | Test Method | Test Principle / Requirements | Test Result |
| r | 1 | | |
| | | of solid wood is such that the risk of | |
| | | attack by surface moulds or by staining or | |
| | | wood-destroying fungi is insignificant | |
| | | (that is the wood shall have a moisture | |
| | | content of maximum 20 %) in any part | |
| | | for practically the whole of its service | |
| | | life). However, attack by wood-boring | |
| | | insects, including termites, is possible | |
| | | although the frequency and importance of the insect risk depends on the | |
| | | geographical region). | |
| | | Wood preservatives used shall comply | |
| | | with the performance requirements given | |
| | | in EN 599-2 appropriate for the use class. | |
| | | The minimum penetration shall be | |
| | | declared in terms of penetration classes | |
| | | listed in EN 335. | |
| | | The mean retention in the analytical zone | |
| | | (see EN 351-1) shall be equal to or | |
| | | greater than the retention requirement for | |
| | | the preservative used in the declared use | |
| | | class. | |