

**AENOR**

# **Test Report**

**No.JX-D006**

Customer:

**Jiangxi Shanyou Industry Co.,Ltd.**

**Add: Eco-Industrial park,Jingan County,Jiangxi,China**

Object of the test:

**BAMBOO FLOORING**

**Date: 2015-03-20**

# Test Report

Report No.JX-D006

|  |  |                                    |                                  |
|--|--|------------------------------------|----------------------------------|
| Product                                | Bamboo flooring  | Test Category                      | Consignment                      |
| Model Grade                            | 1000*125*17MM,<br>960*96*15MM  | Trademark                          | /                                |
| Date of Manufacture                    | 2014.08.20   | Serial No.                         | /                                |
| Name of Client                         | Jiangxi Shanyou Industry Co.,Ltd   | Inspected Entity                   | /                                |
| Address                                | Eco-Industrial park,Jingan Country,Jiangxi,China   | Manufacture                        | Jiangxi Shanyou Industry Co.,Ltd |
| Sampling Organization                  | /  | Number of Samples                  |                                  |
| Sample Location                        | /  | Number of Sample(s) for Inspection | /                                |
| Sampling Date                          | /  | Receiving Number of Sample(s)      | 20                               |
| Sample(s) Deliverer                    | Jiangxi Shanyou Industry Co.,Ltd   | Receiving Date of Sample(s)        | 2015.03.01                       |
| Test Requirement                       | EN 14041:2004+AC:2006 Resilient,Textile and bamboo floor coverings-Essential   |                                    |                                  |
| Test Item(s)                           | Reaction to fire,Emission of formaldehyde,Water-tightness, Slipperiness,Thermal conductivity   |                                    |                                  |
| Description and Condition of Sample(s) | Accord With Test Requirement   |                                    |                                  |
| Test Date                              | 2015.03.14-2015.03.20  | Test Location                      | The test center                  |
| Test Summary                           | According to the Standard EN14041:2004+AC:2006 test the samples sent by entrusting and provide the real test result.<br><br>Test Seal<br>Date of Approval:2015.03.20 |                                    |                                  |
| Remarks                                | /  |                                    |                                  |

Approved by: 


Verified by: 

Composed by: 

## TEST RESULTS

| EN14041:2004+AC:2006 |  |  |         |
|----------------------|--|--|---------|
| Clause               | Requirement-Test   | Result-Remark  | Verdict |
| 4.1                  | <p>Reaction to fire</p> <p>4.1.4 Classification</p> <p>If a claim for reaction to fire performance is made,the floor covering(except as provide for below)shall be tested and classified according to the requirement of EN 13501-1:2002 and the resulting class and subclass (as appropriate to the class itself) shall be declared.</p> <p>If it is decided to make no claim for reaction to fire performance,i.e.it is decided to place a product or family of products the market as Class F<sub>fl</sub>,no testing is required for this product of family of products.</p> | F <sub>fl</sub>  | /       |
| 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>   | E1(0.3mg/m <sup>3</sup> *h)<br>(according to EN717-2:1995) | P       |
| 4.4                  | <p>Water-tightness</p> <p>Where required,resilient floor coverings shall meet the requirements of EN 13553.</p>  | Watertight   | 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 <math>\geq 0.30</math>when tested ex-factory under dry conditions in accordance with EN 13893 and shall be declared as technical class DS.</p> <p>Although such floors may be subjected to occasional spillage and wet cleaning,the manufacture does not guarantee the performance under these conditions.</p>  | DS   |         |

## TEST RESULTS

| EN14041:2004+AC:2006  |   |               |         |
|---|---|---------------|---------|
| Clause  | Requirement-Test  | Result-Remark | Verdict |
| 4.7   | Thermal conductivity<br>When floor covering are to be installed over an under-floor heating system the design thermal conductivity values given in EN 12524 shall be assumed for design calculation purposes. Alternatively, the thermal resistance measured in accordance with EN 12667 may be used. | 0.11W/m*K     | /       |
| Sample photos of the testing process  |   |               |         |
|  |   |               |         |

| No. | Test Item                                    |               |        | Standard                        | Test Result   | Result |
|-----|--|---------------|--------|---------------------------------|---------------|--------|
| 1   | Moisture content                             | %             |        | 6.0~15.0                        | 7.8           | Pass   |
| 2   | Static bending strength                      | Mpa           |        | ≥75                             | 117.7         | Pass   |
| 3   | Wear resistance of the surface film          | Wear Speed    | r      | There is surface film after 100 | Pass          | Pass   |
|     |  | Wearing Value | g/100r | ≤0.15                           | 0.07          | Pass   |
| 4   | Film surface contamination resistance        | /             |        | Non-pollution                   | Non-pollution | Pass   |
| 5   | Surface coating adhesion                     | /             |        | ≥3 Grade                        | 1 Grade       | Pass   |
| 6   | Impact resistance performance of the surface | mm            |        | Crack ≤10<br>No Crack           | 9.2 no crack  | Pass   |
| 7   | Peel test                                    | mm            |        | ≤25                             | Max:10        | Pass   |
| 8   | Formaldehyde emission                        | mg/L          |        | ≤1.5                            | 0.2           | Pass   |

# Test environment

Keep the sample in a room of  $65 \pm 5\%$  RH at a temperature of  $20 \pm 2^\circ\text{C}$  for 24 hours before the test begins.

## Main testing equipment

| No. | Test equipment   | Type     | Manufacturer                                     | Calibration validity |
|-----|--|----------|--|----------------------|
| 1   | Electronic balance   | AB204S/A | Switzerland<br>Mettler-Toledo                    | 2014.08.23           |
| 2   | Digital constant temperature water bath pot                    | HH-4     | Changzhou  | 2014.08.06           |
| 3   | Gas analysis of wood-based panel formaldehyde tester           | QCA-2    | Jinan Hannante Technology Group,Co.,Ltd.         | 2014.12.04           |
| 4   | Spectrophotometer  | 722s     | Hangzhou Qianjiang Instrument Equipment Co.,Ltd. | 2014.12.14           |
| 5   | Universal man-made veneer tester controlled by \ microcomputer | MWD-50   | Jinan Sida Testing Equipment CO.,Ltd.            | 2014.12.23           |

-----End of Report-----