

Entwicklungs- und Prueflabor Holztechnologie GmbH · Zellescher Weg 24 · 01217 Dresden · Germany

Zhejiang Xinhaiye Bamboo Technology Co., Ltd.
Xikou Industrial Zone, Longyou County,
Zhejiang, China

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Dresden, 02/07/2018

Test Report 2218002-A1/pos.7a

Client: Zhejiang Xinhaiye Bamboo Technology Co., Ltd.
Xikou Industrial Zone, Longyou County,
Zhejiang, China

Date of order: 07/03/2018


General order: Laboratory tests and analysis of wood decking: biological durability,
anti-slip properties, mechanical properties, and chemical analysis

Order position Pos. 7: Determination of the anti-sli properties, wet-loaded barefoot
areas - Walking method - Ramp test according to DIN 51097
(slip agent: water)

Surface type wave

Contractor: Entwicklungs- und Prüflabor Holztechnologie GmbH
Laboratory Unit Biological Testing
Zellescher Weg 24
01217 Dresden
Germany

Engineer in charge: Dipl.-Ing. (FH) Michael Peter



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Dr. Wolfram Scheiding
Head of Laboratory Unit Biological Testing

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Task

Determination of the anti-slip properties, wet-loaded barefoot areas - Walking method - Ramp test according to DIN 51097 (slip agent: water); surface type *wave*

Test material

Product name:  **DASSO** DassoCTECH exterior strand woven bamboo decking
Product type: Surface type *wave*
Producer: Fujian Dasso Industry Co.,Ltd.
Zhuhai trading mall, Jianou city, Fujian province, China
Delivery date: 07/03/2018

Test performance

The determination of anti-slip property was carried out with three probands according to DIN 51097:1992 (wet-loaded barefoot areas, walking method - Ramp test) and GUV-I 8527:1999 (see Fig. 2).



Fig. 2: Wet deck boards during the test on the ramp test

Results

Face decking	Average angle of inclination in °	Quality class according to DIN 51097:1992 / GUV-I 8527*1999
wave	22	B

- * Average angle of inclination for quality class A von $\geq 12^\circ$
- Average angle of inclination for quality class B von $\geq 18^\circ$
- Average angle of inclination for quality class C von $\geq 24^\circ$

Evaluation

The tested bamboo decking product, surface type *wave*, meets the requirement for quality class B (average angle of inclination $\geq 18^\circ$) according to DIN 51097/GUV-I 8527

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Dipl.-Ing. (FH) Michael Peter
Engineer in Charge