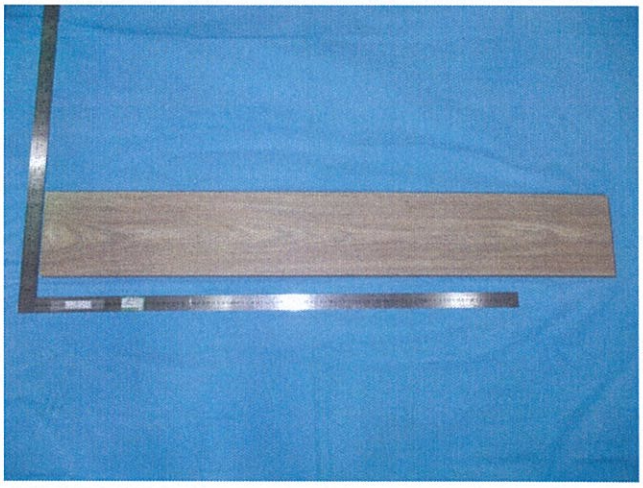
Prüfbericht-Nr.: *Test Report No.:*	**174036693/GZF/01-01**	**Auftrags-Nr.:** *Order No.:*	174036693	Seite 1 von 9 *Page 1 of 9*
Kunden-Referenz-Nr.: *Client Reference No.:*	618359	**Auftragsdatum:** *Order date:*	26.06.2015	
Auftraggeber: *Client:*	Baroque Timber Industries (Zhongshan) Ltd 2nd Sui An Industrial Zone Gangkou Zhongshan Guangdong Province, China			
Prüfgegenstand: *Test item:*	PVC Flooring			
Bezeichnung / Typ-Nr.: *Identification / Type No.:*	Natural Oak / JD223			
Auftrags-Inhalt: *Order content:*	Flooring Test			
Prüfgrundlage: *Test specification:*	Refer to page 2: Summery of test			

Wareneingangsdatum: *Date of receipt:*	24.06.2015
Prüfmuster-Nr.: *Test sample No.:*	A000219208-001
Prüfzeitraum: *Testing period:*	26.06.2015 - 08.07.2015
Ort der Prüfung: *Place of testing:*	Unit 201, NO.7 Caipin Road, Guangzhou, P.R. China
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Guangdong) Ltd.
Prüfergebnis*: *Test result*:*	Pass



geprüft von / *tested by:*			**kontrolliert von** / *reviewed by:*		
08.07.2015	Leo Zhou / TE	Leo zhou	08.07.2015	Lotta Chen / Reviewer	Lotta Chen
Datum *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*	**Datum** *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*

Sonstiges / *Other:* N/A

Zustand des Prüfgegenstandes bei Anlieferung: Prüfmuster vollständig und unbeschädigt
Condition of the test item at delivery: *Test item complete and undamaged*

* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend	5 = mangelhaft
	P(ass) = entspricht o.g. Prüfgrundlage(n)		F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
Legend:	*1 = very good*	*2 = good*	*3 = satisfactory*	*4 = sufficient*	*5 = poor*
	P(ass) = passed a.m. test specification(s)		*F(ail) = failed a.m. test specification(s)*	*N/A = not applicable*	*N/T = not tested*

Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.
This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.

V04

Summery of test				
	Test item	**Test standard**	**Requirement**	**Verdict**
1	Side length, edge straightness and squareness of tiles	ISO 24342:2007	ISO 10582:2012	N/A
2	Overall thickness	ISO 24346: 2006	ISO 10582:2012	Pass
3	Thickness of layers	ISO 24340:2006	ISO 10582:2012	--
4	Total mass per unit area	ISO 23997: 2007	ISO 10582:2012	Pass
5	Density	ISO 23996:2012	--	--
6	Residual Indentation	ISO 24343-1: 2007	ISO 10582:2012	Pass
7	Flexibility	ISO 24344: 2008 Method A	ISO 10582:2012	--
8	Color fastness to light	ISO 105 B02:1994 / Amd 1:1998 + Amd 2:2000 method 3	ISO 10582:2012	Pass
9	dimensional stability and curing after exposure to heat	ISO 23999:2012	ISO 10582:2012	Pass
10	Castor chair test	ISO/TR 4981:2009 (Refer to EN 425:2002)	ISO 10582:2012	Pass
11	Classification and labeling	ISO 10874:2009 (Refer to EN 685:2007)	ISO 10582:2012	Pass

Fig. 1, Surface	Fig. 2, Back

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1. Side length, edge straightness and squareness of tiles

Test Standard	ISO 24342:2007
Preconditioning	At temperature of (23±2)°C and relative humidity (50±5)% for minimum of 24 h.
Test Conditioning	23°C, 55%RH
Nominal length & width	Length: 1220 mm Width: 183 mm

Result:

Test sample	Unit	1#	2#	3#	4#	5#
Length	mm	1210.8	1210.7	1210.8	1210.7	1210.6
Width	mm	176.76	176.77	176.74	176.76	176.77
Straightness	mm	0.05	0.04	0.05	0.07	0.05
Test result	Average Length: 1210.7 mm Average Width: 176.76mm Average Straightness: 0.05mm					
Requirement Refer to ISO 10582 : 2010	N/A (does not apply to planks)					

2. Overall thickness

Test Standard	ISO 24346: 2006
Preconditioning	At temperature of (23±2)°C and relative humidity (50±5)% for minimum of 24 h.
Test Conditioning	23°C, 55%RH
Nominal thickness	5.0 mm

Result:

Test sample	Unit	1#	2#	3#	4#	5#
Overall thickness	mm	4.96	4.95	4.97	4.96	4.93
Test result	Average value: 4.95 mm Maximum deviation of Individual results: 0.07 mm					
Requirement Refer to ISO 10582 : 2010	Average value: Nominal thickness $^{+0.13}_{-0.10}$ mm (4.90 mm – 5.13 mm) Individual results: Average value±0.15 mm (4.85 – 5.15 mm)					
Verdict	**pass**					

3. Thickness of layers

Test Standard	ISO 24340:2006
Preconditioning	At a temperature of (23±2)°C and relative humidity (50±5)% for a minimum of 24 h.
Test Conditioning	23°C, 55%RH
Nominal value	Wear layer thickness: 0.5 mm Total thickness: 5.0 mm

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Result:

Test sample	Unit	1#	2#	3#	4#	5#
Wear layer	μm	450	442	447	445	476
Printing layer	μm	75	85	90	87	89
Base	μm	4473	4419	4476	4466	4427
Test result	Average wearable layer:452 μm Average printing layer:85 μm Average Base:4452 μm					

4. Total mass per unit area

Test Standard	ISO 23997: 2007
Preconditioning	At a temperature of (23±2)°C and relative humidity (50±5)% for a minimum of 24 h.
Test Conditioning	23°C, 55%RH
Nominal value	9620 g/m^2

Result:

Test sample	Unit	1#	2#	3#	4#	5#
Total mass per unit area	g/m^2	9514	9458	9478	9372	9431
Test result	Average value: 9451 g/m^2 Deviation to Nominal value (9620 g/m^2): -1.8%					
Requirement Refer to ISO 10582 : 2010	Average value: Nominal value -10%~+13%					
Verdict	**Pass**					

5. Density

Test Standard	ISO 23996:2012
Preconditioning	At a temperature of (23±2)°C and relative humidity (50±5)% for a minimum of 24 h.
Test Conditioning	23°C, 55%RH
Test principle	Measure the initial mass of the test piece m_1, and the mass of the immersed test piece m_2, and calculate the density ρ (kg/m³) from the equation: $\rho = (m_1 \times \rho H_2O)/(m_1 - m_2)$ where ρH_2O is the density of water, at that temperature.

Result:

Test sample	Unit	1#	2#	3#
Density	kg/m³	1951	1951	1949
Average value	kg/m³	1950		

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