TEST REPORT

REPORT NUMBER: 161223007SHF-BP-3

ORIGINAL ISSUE DATE: 2017-01-09

EVALUATION CENTER

Intertek Testing Services Ltd., Shanghai

Plant 7, No. 6958 Daye Road, Fengxian District, Shanghai, China

RENDERED TO

Taizhou Huali Plastic Co. Ltd.

Zhangdian Industrial Zone, Jiangyan, Jiangsu Prov., P.R. China

PRODUCT EVALUATED

Rigid LVT Flooring

EVALUATION PROPERTY

As requested by the applicant, for details refer to attached pages(s).

Report Template Revision Date: 2016/9/1

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Applicant:	**Taizhou Huali Plastic Co. Ltd.**
Applicant Address:	**Zhangdian Industrial Zone, Jiangyan, Jiangsu Prov., P.R. China**
Attn:	**Bonnie Yuan**

Sample information:

Product:	Rigid LVT Flooring
Model:	/
Specification:	/
Sample Quantity:	11 pieces
Sample ID:	S161223007SHF-001~023
Date Received:	2016-12-23
Date Test Conducetd:	2016-12-23~2017-01-09

Conclusion:

For details refer to attached page(s).

The conclusions of this test report may not be used as part of the requirements for Intertek product certification. Authority to Mark must be issued for a product to become certified.

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Test Items, Method and Results:

ISO 10582:2010 Resilient floor coverings-Heterogeneous poly(vinyl chloride) floor coverings - Specification

Test Items	Test Method	Test Requirement	Test Result		Verdict
Side length	ISO 24342:2007 +A1:2012	Deviation≤0.15% of nominal length up to 0.5mm maximum	Nominal value:		Pass
			Length:	1220 mm	
			Width:	220 mm	
			Tested value:		
			Length:	1220.00 mm	
			Width:	219.97 mm	
			Tolerance:		
			Length:	0 mm	
			Width:	-0.03 mm	
Squareness		≤0.25mm (≤400mm) ≤0.35mm (>400mm) ≤0.50mm (>400mm) (intended for heat welding)	Short edge Max.:	0.05 mm	
			Long edge Max.:	0.04 mm	
Straightness			Short edge Max.:	0.04 mm	
			Long edge Max.:	0.04 mm	

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Test Items	Test Method	Test Requirement	Test Result		Verdict
Overall thicknes	ISO 24346:2006	Average value: Nominal value(-0.10, +0.13)mm Individual value: Average value ± 0.15mm	Nominal value:	4.80 mm	Pass
			Tested value:		
			Average:	4.71 mm	
			Max.:	4.82 mm	
			Min.:	4.62 mm	

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Test Items	Test Method	Test Requirement	Test Result		Verdict
Total mass per unit area	ISO 23997:2007	Average Nominal value: (-10%, +13%)g/m^2	Nominal value:	8680 g/m^2	Pass
			Average:	8690 g/m^2	
			Tolerance:	0.12%	

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Test Items	Test Method	Test Requirement	Test Result		Verdict
Dimensional stability after exposure to heat	ISO 23999:2008	≤0.25% (tiles intended for dry-joint laying) ≤0.4% (sheets and tiles intended for heat welding)	MD:	0.05 %	Pass
			AMD:	0.05 %	
Curling after exposure to heat		≤2mm (tiles intended for dry-joint laying) ≤8mm (sheets and tiles intended for heat welding)	0 mm		Pass

Note：

MD = Manufacturing direction; AMD = Across-manufacturing direction.

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Residual indentation	ISO 24343-1:2007	≤0.1mm	0.02 mm	Pass

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Test Items	Test Method	Test Requirement	Test Result	Verdict
Effect of castor chair	ISO 4918:2016	After 25000 cycles, no delamination shall occur. No disturbance to the surface other than a slight change in appearance.	After 25000 cycles, no detachment of layers, opening of joints, or crazing. No disturbance to the surface.	Pass

Test Photo:

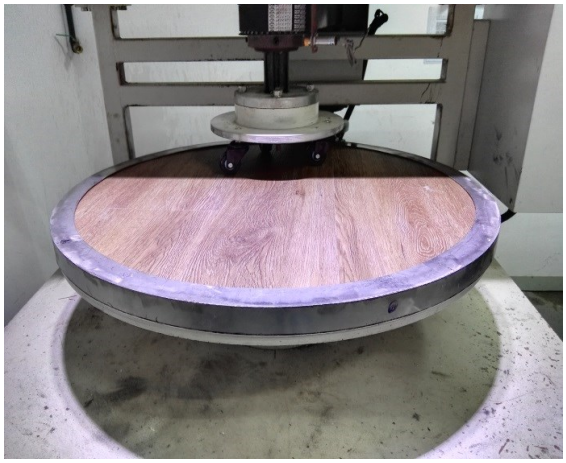

Fig 1. Before test

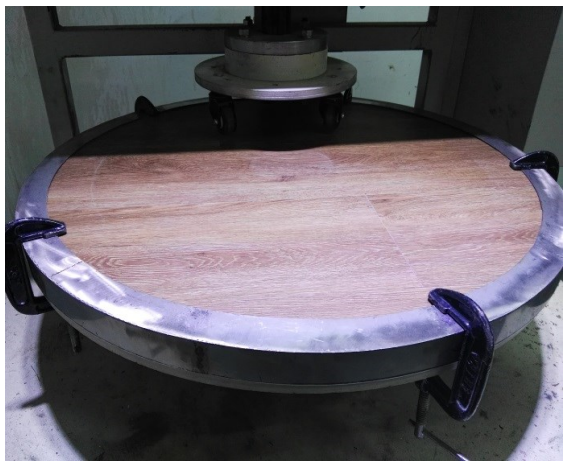

Fig 2. After test

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Test Items, Method and Results:

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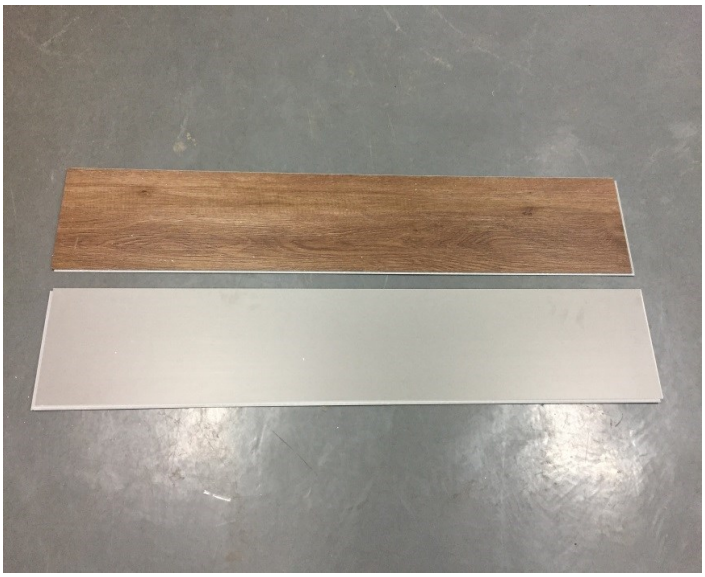
Test Items	Test Method	Test Requirement	Test Result	Verdict
Colour fastness to artificial light	ISO 105-B02:2014 Exposure cycle A1, Method 3, Xenon-Arc lamp	≥Grade 6	＞Grade 6	Pass

Appendix A: Sample received photo



Approved by:

Name: Sun Sun	Name: Sally Xie	Name: Tod Qian
Title: Approver	Title: Reviewer	Title: Project Engineer

INTERTEK TESTING SERVICES LTD., SHANGHAI 英检测试技术服务有限公司 检验检测专用章

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The End of Report