

# TEST REPORT

**REPORT NUMBER: 161223007SHF-BP-5**

ORIGINAL ISSUE DATE: 2017-01-16

## **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+IXPE

## **EVALUATION PROPERTY**

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

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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+IXPE

Model: /

Specification: /

Sample Quantity: 42 pieces

Sample ID: S161223007SHF-025~066

Date Received: 2016-12-23

Date Test Conducted: 2016-12-23~2017-01-16

### 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:

Test method: ASTM E2179-09

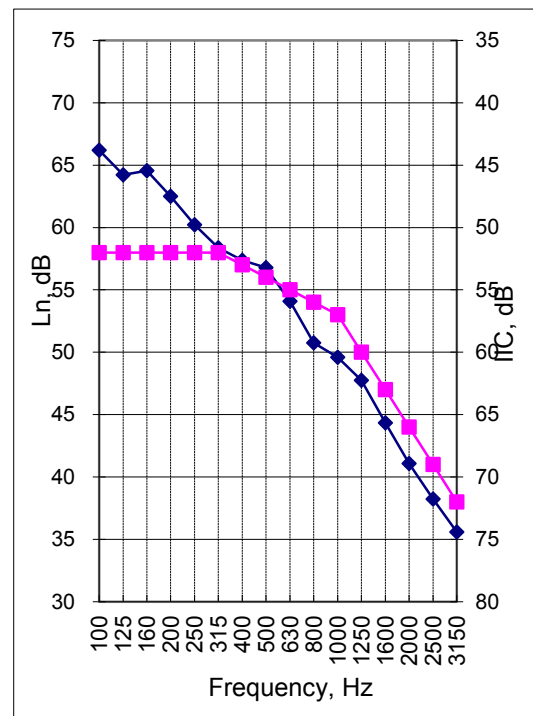
Temperature: 10 °C

Relative Humidity: 50 %

Specimen area: 10.8 m<sup>2</sup>

Floor assembly: The system consisted of 150mm thick concrete floor and the 6.0mm floorings (Rigid LVT Flooring+IXPE) were placed on the concrete floor.

Frequency (Hz)	L0 (dB)	Lc (dB)	Ld (dB)	Lref (dB)	Lref,c (dB)
100	58.3	57.5	0.8	67.0	66.2
125	65.3	62.0	3.3	67.5	64.2
160	64.8	61.4	3.4	68.0	64.6
200	66.6	60.6	6.0	68.5	62.5
250	66.8	58.0	8.8	69.0	60.2
315	65.0	53.9	11.1	69.5	58.4
400	65.9	53.3	12.6	70.0	57.4
500	67.0	53.3	13.7	70.5	56.8
630	67.3	50.4	16.9	71.0	54.1
800	66.1	45.4	20.7	71.5	50.8
1000	65.4	43.0	22.4	72.0	49.6
1250	65.8	41.5	24.2	72.0	47.8
1600	65.6	37.9	27.7	72.0	44.3
2000	64.9	34.0	30.9	72.0	41.1
2500	64.6	30.8	33.8	72.0	38.2
3150	63.9	27.5	36.4	72.0	35.6
IICc=		54			
ΔIIC=IICc-28=		26			



### Calculated improvement in Impact Insulation Class: IICc – 28 = ΔIIC 26

Note:

Lc = Normalized Sound Pressure Level for Covering over concrete floor

Ld = L0 - Lc

Lref = Reference floor average Normalized Impact Sound Pressure Level

Lref,c = Lref - Ld

2. Classified IIC in accordance with ASTM E989-12, "Standard Classification for Determination of Impact Insulation Class".

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**Test Photo:**



Test set up

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Appendix A: Sample received photo



Approved by:

		
Name: Dorian Wu	Name: Jodie Zhou	Name: Eryn Cui
Title: Approver	Title: Reviewer	Title: Project Engineer



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The End of Report