



Test Report

No.: SHHG1207024321BM

Date: AUG.15,2012

Page: 1 of 3

AGILENT INTERNATIONAL CO., LIMITED

MSH 2896 RM 1007, 10/F HO KING CTR 2-16 FA YUEN ST. MONG KOK KL. HK

The following sample(s) was/were submitted and identified by the client as:

Sample Description : LAMINATE FLOORING
SGS Ref. No. : NBHG201202933
Style/ Item No. : FORTHFLOOR ACUSTIC HOME / LOTE 28
P.O. No. : LOTE 28
Country of Origin : CHINA
Sample Receiving Date : AUG.02,2012
Testing Period : AUG.02,2012 TO AUG.15,2012
Test Performed : SELECTED TEST(S) AS REQUESTED BY APPLICANT
Test Requested : 1.RESISTANCE TO ABRASION
(EN13329:2006+ A1:2008, ANNEX E)
2.THICKNESS SWELLING
(EN13329:2006+ A1:2008, ANNEX G)
Test Result(s) : FOR FURTHER DETAILS, PLEASE REFER TO THE
FOLLOWING PAGE(S)
Conclusion : THE TEST DATA WERE PROVIDED TO CLIENT FOR
THEIR OWN ANALYSIS.

Signed for and on behalf of
SGS-CSTC Ltd.

Steven Xi
Lab Manager

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions.htm and for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



SGS-CSTC Standards Technical Services Co., Ltd.
Shanghai Branch, 3rd Floor, Xuhui District, Shanghai, China

3rd Building, No. 889, Yishan Road, Xuhui District, Shanghai, China 200233

t (86-21)61402666*2013 f (86-21)54500353

www.cn.sgs.com
e sgs.china@sgs.com

中国·上海·徐汇区宜山路889号3号楼 邮编:200233

t (86-21)61402666*2013 f (86-21)54500353

Member of the SGS Group (SGS SA)

Test Report

No.: SHHG1207024321BM

Date: AUG.15,2012

Page: 2 of 3

Test Conducted:

1. Resistance to Abrasion (EN13329:2006+ A1:2008, Annex E)

2. Thickness swelling (EN13329:2006+ A1:2008, Annex G)

Test Property	Test Method	Test principles/requirements	Rating/Result												
Resistance to Abrasion	EN13329:2006+ A1:2008, Annex E	<p>Prepare two wheels with preconditioned unused abrasive paper from the same batch previously approved by calibration.</p> <p>Lower the wheels, start the suction device and abrade the test specimen.</p> <p>Examine the test specimen for abrasion after each 100 revolutions and renew the abrasive papers after every 200 revolutions.</p> <p>Continue the test in this way until the initial wear point (IP) is reached. The initial wear point is reached when there are areas of at least 0.60 mm² wear-through in two quadrants and an area of 0.60 mm² wear-through becomes visible in a third quadrant.</p> <p>Record the number of revolutions as the IP-value. Repeat the test immediately using the two remaining tests immediately using the two remaining test specimens.</p> <table border="1"> <tr> <td>Abrasion class</td> <td>AC1</td> <td>AC2</td> <td>AC3</td> <td>AC4</td> <td>AC5</td> </tr> <tr> <td>Average IP-value</td> <td>≥900</td> <td>≥1500</td> <td>≥2000</td> <td>≥4000</td> <td>≥6000</td> </tr> </table>	Abrasion class	AC1	AC2	AC3	AC4	AC5	Average IP-value	≥900	≥1500	≥2000	≥4000	≥6000	<p>Pass</p> <p>Claimed Abrasion class: AC3</p> <p>Actual test average IP-value: 3600 cycles</p> <p>Abrasion class: AC3</p>
Abrasion class	AC1	AC2	AC3	AC4	AC5										
Average IP-value	≥900	≥1500	≥2000	≥4000	≥6000										
Thickness swelling	EN 13329:2006+ A1:2008, Annex G	<p>Determine the initial thickness (t_{in}) of the test specimen. Place the two test specimens in the water bath. Remove the test specimens after 24 ours, and dry them with a towel. Determine the final thickness (t_{fin}) of the test specimen.</p> <p>Calculate for each pair of values the thickness swelling in % according to the formula:</p> $\frac{(t_{fin} - t_{in}) \times 100}{t_{in}}$	<p>Average Thickness swelling: 5.7%</p>												

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions.htm and for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Report

No.: SHHG1207024321BM

Date: AUG.15,2012

Page: 3 of 3

Sample Photo:

Test sample (front View)



Test sample (back View)
(FORTHFLOOR ACUSTIC HOME AC3 CHINA
2012/05/19 15:05:14 28)



End of Report

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions.htm and for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.