



TEST REPORT

No. : GZIN160701295CCM

Date : Dec. 27, 2016

Page: 1 of 5

CLIENT NAME: SUPRADECK NL

ADDRESS: Oud Camp 22, 3155 DL Maasland, The Netherlands

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

Sample Name : Co-extrusion wood plastic composite
SGS Ref. No. : GZIN160701295CCM
Test Performed : Selected test(s) as requested by applicant
Date of Receipt : Aug. 15, 2016
Test Period : Aug. 15, 2016 to Aug. 25, 2016

Test result(s) : Please refer to the following page(s)

*****To be continued*****

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co.,Ltd
Guangzhou Branch

Jay Xue
Authorized signatory

** Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. The report should not be reproduced except in full without written approval from the Company



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch Testing Centre Commercial Construction Material Laboratory

Unless otherwise agreed in writing, 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/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. 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.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

198 Kezhu Road, Solentech Park, Economic & Technical Development District, Guangzhou, China. 510663 t (86-20) 82155555 f (86-20) 82075080 www.sgsgroup.com.cn
中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075080 e sgs.china@sgs.com

TEST REPORT

No. : GZIN160701295CCM

Date : Dec. 27, 2016

Page: 2 of 5

Summary of test results

No.	Test items	Test methods	Test results	
1	Flexural properties	EN 15534-1:2014 Section 7.3.2 and Annex A	Bending strength	21.7MPa
			Modulus of elasticity in bending	4109MPa
2	Falling mass impact resistance	EN 15534-1:2014 Section 7.1.2 and client's requirement	No crack; Max depth of residual indentation: 0.27mm	
3	Swelling and water absorption	EN 15534-1:2014 Section 8.3.1	See test item 4	
4	Resistance to indentation	EN 15534-1:2014 Section 7.5	Brinell hardness	50.0MPa
			Rate of elastic recovery	56.5 %
5	Mean Coefficient of Linear Thermal Expansion	EN 15534-1:2014 Section 9.2 & ISO 11359-1:2014 & ISO 11359-2:1999 Method A	$34 \times 10^{-6} \text{ K}^{-1}$	



SGS-CSTC Guangzhou Branch
Guangzhou Branch Testing Center for Construction Materials Laboratory

Unless otherwise agreed in writing, 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/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. 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.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

198 Kezhu Road, Solentech Park, Economic & Technical Development District, Guangzhou, China. 510663 t (86-20) 82155555 f (86-20) 82075080 www.sgs.com.cn
中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075080 e sgs.china@sgs.com

TEST REPORT

No. : GZIN160701295CCM

Date : Dec. 27, 2016

Page: 3 of 5

Test Information:

Sample description: See photo

Test item 1: Flexural properties

Test method: EN 15534-1:2014 Section 7.3.2 and Annex A

Test condition:

Specimen: 600×140×22.2mm

Testing speed: 16.4mm/min

Span: 442mm

Test result:

Bending strength: 21.7MPa

Modulus of elasticity in bending: 4109MPa

Test item 2: Falling mass impact resistance

Test method: EN 15534-1:2014 Section 7.1.2 and client's requirement

Test condition:

Specimen: 300×140×22.2mm

Weight of steel ball: 1000g

Diameter of steel ball: 50mm

Falling height: 700mm

Span: 200mm

Test result:

No crack; Max depth of residual indentation: 0.27mm

Test item 3: Swelling and water absorption

Test method: EN 15534-1:2014 Section 8.3.1

Test condition:

Specimen: 140×100×22.2mm

Immersion condition: Distilled water, 20±1℃, 24h

Test result:



SGS-CSTC Guangzhou Branch
Guangzhou Branch Testing Center for Construction Material Laboratory

Unless otherwise agreed in writing, 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/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

198 Kezhu Road, Solentech Park, Economic & Technical Development District, Guangzhou, China. 510663 t (86-20) 82155555 f (86-20) 82075080 www.sgs.com.cn
中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075080 e sgs.china@sgs.com

TEST REPORT

No. : GZIN160701295CCM

Date : Dec. 27, 2016

Page: 4 of 5

Test item	Thickness	Width	Length
Mean swelling	0.30%	0.033%	0.074%
Max individual swelling	0.37%	0.043%	0.080%
Mean water absorption	1.02%		
Max individual water absorption	1.12%		

Test item 4: Resistance to indentation

Test method: EN 15534-1:2014 Section 7.5

Test condition:

Specimen: 140×50×22.1mm

Indenter diameter: 10mm

Loading procedure: Apply a preload of 20 N and increase the force to 2KN within 30±10s and maintain the force for 25s. Withdraw the indenter completely and recover for 24 h

Test result:

Brinell hardness: 50.0MPa

Rate of elastic recovery: 56.5 %

Note: All test specimens were cut from the sample.

Test item 5: Mean Coefficient of Linear Thermal Expansion

Test method: EN 15534-1:2014 Section 9.2 & ISO 11359-1:2014 & ISO 11359-2:1999 Method A

Test condition:

Specimen: 10.5 mm ×5.08 mm ×3.04 mm

Rate of temperature: 5 °C/min

Load: 4 kPa

Flow rate(N₂): 50 ml/min

Test temperature: -20 °C~80 °C

Test mode: Compression

Test direction: Length

Lab Environmental Condition: 23 ± 2 °C, 50 ± 5 % RH



SGS-CSTC Guangzhou Branch
Guangzhou Branch Testing Center for Construction Material Laboratory

Unless otherwise agreed in writing, 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/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

198 Kezhu Road, Solentech Park, Economic & Technical Development District, Guangzhou, China. 510663 t (86-20) 82155555 f (86-20) 82075080 www.sgsgroup.com.cn
中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075080 e sgs.china@sgs.com

TEST REPORT

No. : GZIN160701295CCM

Date : Dec. 27, 2016

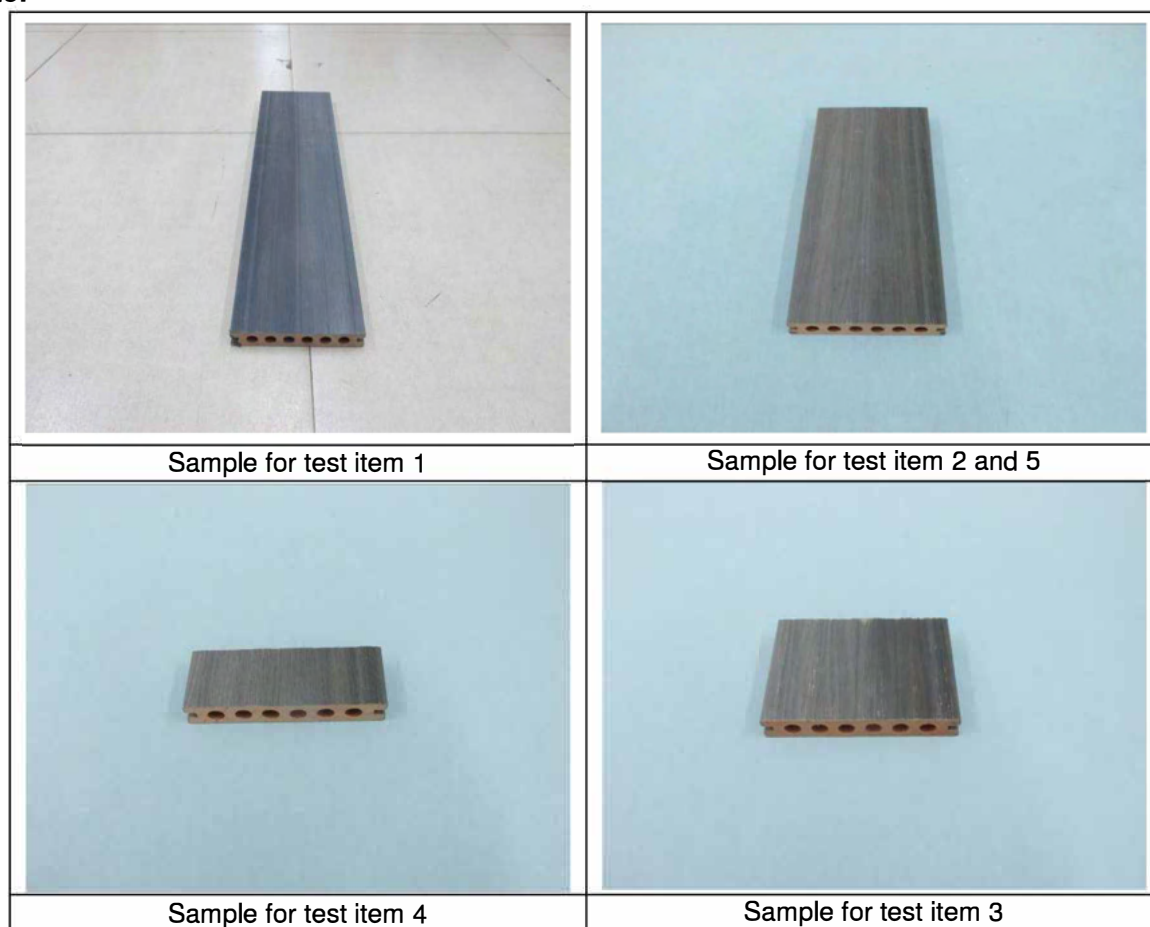
Page: 5 of 5

Test result:

$34 \times 10^{-6} \text{ K}^{-1}$

Note: Test specimens were cut from the sample.

Photo:



*****End of report*****



SGS-CSTC 广州分公司
Guangzhou Branch Testing Center for Construction Material Laboratory

Unless otherwise agreed in writing, 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/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. 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.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

198 Kezhu Road, Sciencetech Park, Economic & Technical Development District, Guangzhou, China. 510663 t (86-20) 82155555 f (86-20) 82075080 www.sgs.com.cn
中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075080 e sgs.china@sgs.com