



TEST REPORT

No. : GZIN1501004458PS

Date : Mar 16, 2015

Page: 1 of 4

CUSTOMER NAME: YIXING HUALONG NEW MATERIAL LUMBER CO.,LTD.
ADDRESS: THE SOUTH DEVELOP AREA OF XINGJIAN TOWN YIXING CITY
JIANGSU CHINA

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

Sample Name : WPC
SGS Ref. No. : GZIN1501004475MR
Material and Mark : WOOD-POLYMER COMPOSITES (WPC)
Date of Receipt : Jan 29, 2015
Testing Start Date : Jan 29, 2015
Testing End Date : Mar 04,2015
Test result(s) : For further details, please refer to the following page(s)

Signed for
SGS-CSTC Standards Technical
Services Co., Ltd. GZ Branch Testing
Center

Eleain Fan

Authorized signatory



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SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch Materials Laboratory

198 Kezhu Road, Sciencetech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155661 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) 82155661 f (86-20) 82075080 e sgs.china@sgs.com

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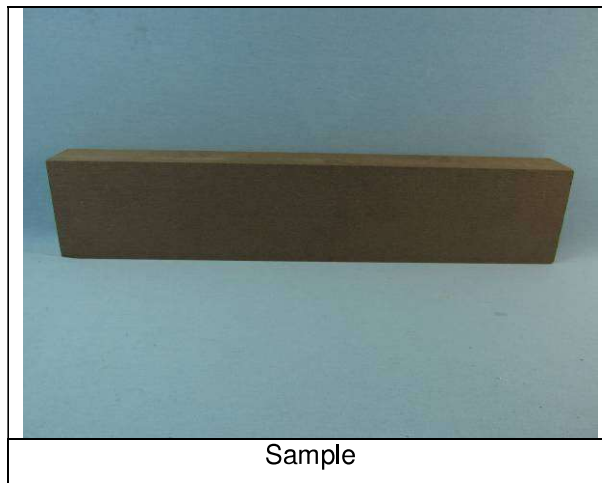
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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Light Ageing Test- Xenon-arc Exposure	With reference to BS EN 15534-4:2014 Section 4.5.5 & EN 15534-1:2014 Section 8.1 & EN ISO 4892-2:2013 Cycle 1 & EN 20105-A02:1994 & ISO 7724-1:1984 & ISO 7724-2:1984 & ISO 7724-3:1984 and client's requirement	See results	/

Note: Pass : Meet the requirements;
 Fail : Does not meet the requirements;
 / : Not Apply to the judgment.

Original Sample Photo:



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 Guangzhou Branch, Materials Laboratory

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Test Item: Light Ageing Test-Xenon-arc Exposure

Sample Description: Wood plastic composite panel

Test Method: With reference to BS EN 15534-4:2014 Section 4.5.5 & EN 15534-1:2014 Section 8.1 & EN ISO 4892-2:2013 Cycle 1 & EN 20105-A02:1994 & ISO 7724-1:1984 & ISO 7724-2:1984 & ISO 7724-3:1984 and client's requirement

Test Condition:

Exposure cycle:

EN ISO 4892-2:2013 cycle 1

Irradiance: $(0.51 \pm 0.02)W/(m^2 \cdot nm)$ @340nm

102 min light at $(65 \pm 3)^\circ C$ BST, $(38 \pm 3)^\circ C$ CT, $(50 \pm 10)\%RH$

18 min light and water spray

Filter: Daylight

Test Result:

Sample	Exposure period	Result	
1	720h	ΔL^*	2.52
		Δa^*	1.28
		Δb^*	0.61
		ΔE^*_{ab}	2.9
		Grey scale	3-4
		Appearance	Evident discoloration

Note:

- ΔL^* , Δa^* , Δb^* , ΔE^*_{ab} were measured by sphere spectrophotometer under D65 standard light source and with 10° observer. The results include specular reflection condition, 8mm aperture.
- According to EN 20105-A02:1994, the grey scale was determined under the D65 standard light, with scale 5 as the best and scale 1 as the worst.
- The results were carried out within 1 hour after above specified durations for the intermediate inspection as well as at the end of the exposure.



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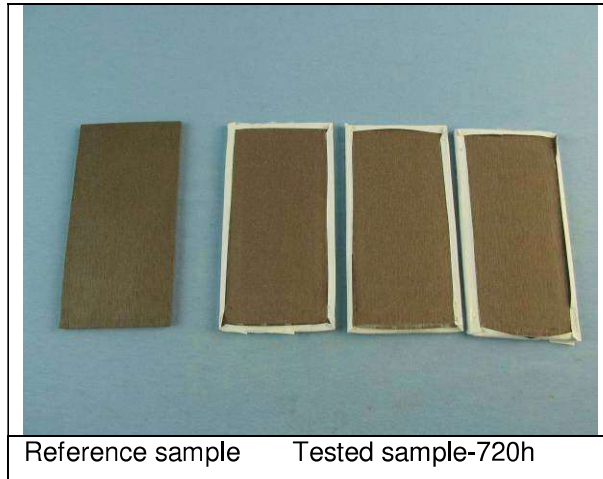
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Test Photo:



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



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