

TEST REPORT

SCOPE OF WORK

WPC Plank

REPORT NUMBER

211220004SHF-001

TEST DATE(S)

2021-12-20 - 2022-01-27

ISSUE DATE

2022-01-28

PAGES

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Test Type:

Performance test, samples provided by the applicant.

Product Information

Product Name	WPC Plank Brand				and	Consumer's	1	Ć.,	
Sample	Cood Condition			Good Condition		Amount		9 pcs	
Description	earner Granner	Good Conditi	OII	Green	Receiv	ed Date	202	21-12-17	Gno
Samı	ole ID	Carrie Carrie	Model	Segue	See .	Spe	ecification	1	
on and the Contraction of the Co	F.001, 002, 004, . 009, 010	Constraint Constraint	/	Grand'	Granus	Cottangum'	/	Granus	Sec

Test Methods And Standards

Test Standard	EN 15534-4:2014 4.3, 4.4, 4.5.5, 4.5.6, 4.5.7 EN 15534-1:2014 6.1, 6.4.4, 6.6.4, 8.1, 8.3.1, 8.6, 9.2, 10.1 EN 13893:2002, ISO 4892-2:2013 cycle 1, ISO 11359-2:1999, ISO 4628-6:2011, EN ISO 9227:2017
Specification Standard	EN 15534-4:2014
Test Conclusio	The samples were tested according to the above standards, and the results are shown in the following page.

Note:

1. This report relates specifically to the sample(s) that were drawn and provided by the applicant or their nominated third party. The reported result(s) provide no warranty or verification on the sample(s) representing any specific goods and/or shipment and only relate to the sample(s) as received and tested.

Report Authorized

Name: [

Title: Approver

Daniel Zha

超验检测专用草

varie: Flora Fan

ftle: Reviewer

Name:

Erin Huand

Title: Project Engineer



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Test Items, Method and Results:

Test Items	Test Method	Test Results	
IAnnearance	EN 15534-4:2014 Section 4.3 EN 15534-1:2014 Section 6.1	No crack, blister and other visible defects.	



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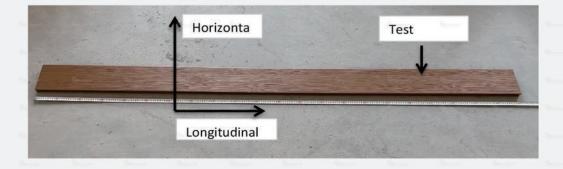
Test Items, Method and Results:

EN 15534-4:2014 Composites made from cellulose-based materials and thermoplastics (usually called wood-polymer composites (WPC) or natural fibre composites (NFC)) Part 4: Specifications for decking profiles and tiles

Test Items	Test Method	Test Results	Test requirements	Verdict
Slipperiness (Dynamic coefficient of friction)	EN 15534-4:2014 Section 4.4 EN 15534-1:2014 Section 6.4.4 EN 13893:2002	Min.: 0.43 Horizontal direction: Mean: 0.51	≥ 0.43	Pass

Note:

- 1. Requirement is cited from EN 15534-4:2014 Table 1.
- 2. Test surface and direction please refer to below picture.





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Test Items, Method and Results:

Test Items	Test Method	Test Results	Connect	Esternant	Consession	Comme	Ser	Cons
Dimensions	EN 15534-4:2014 Section 4.4 EN 15534-1:2014 Section 6.6.4	Max. Cupping:	-		-	0.23	mm	



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Test Items	Test Method	Test Results	Test requirements	Verdict
Resistance to artificial weathering	EN 15534-4:2014 Section 4.5.5 EN 15534-1:2014 Section 8.1 ISO 4892-2:2013, cycle 1	After 300h exposure: $\triangle L^* = -0.68$ $\triangle a^* = 0.57$ $\triangle b^* = 1.04$ $\triangle E^* = 1.37$ Grey Sale= 4	riangleL*, $ riangle$ a* and $ riangle$ b* shall be delared	N/A

Tested sample photo:





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Test Items, Method and Results:

Test Items	Greenw'	Test Method	Test Results	Test requirements	Verdict
en' Established	Granna'	Green, Green,	Mean Swelling:	Means swelling:	Granni
			0.26 % in thickness	≤ 4 % in thickness	
o' Cranner		Granus' Granus'	0.05 % in width	≤ 0,8 % in width	Granno'
Grana		Grand Grand	0.09 % in length	≤ 0,4 % in length	Grannor.
Swelling and wa	ater	EN 15534-4:2014	Max. Swelling:	Max. swelling:	Granna
absorption		Section 4.5.5 EN 15534-1:2014	0.39 % in thickness	≤ 5 % in thickness	Pass
(28 days immer	sion)	Section 8.3.1	0.06 % in width	≤ 1,2 % in width	Granus'
		G	0.14 % in length	≤ 0,6 % in length	Grand
. Co		Sec Sec 6	Water absorption:	Water absorption:	Coresses.
			Mean: 0.22 %	Mean≤ 7 %	
o' Granna		Grann' Grann'	Max.: 0.24 %	Max.≤ 9 %	Granani



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Test Items, Method and Results:

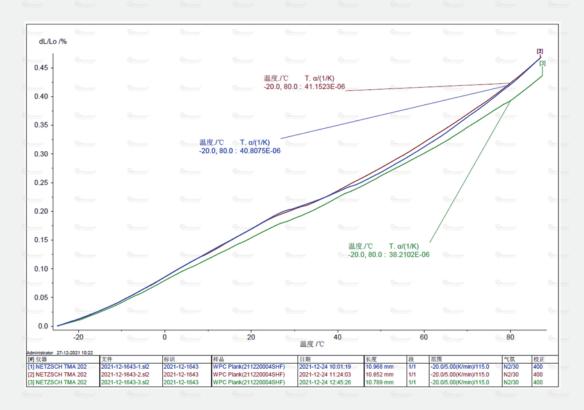
EN 15534-4:2014 Composites made from cellulose-based materials and thermoplastics (usually called wood-polymer composites (WPC) or natural fibre composites (NFC)) Part 4: Specifications for decking profiles and tiles

Test Items	Test Method	Test Results	Granes*	Gr	Test requirements	Green	Verdict
Linear thermal expansion coefficient (-20°C~80°C)	EN 15534-4:2014 Section 4.5.6 EN 15534-1:2014 Section 9.2 ISO 11359-2:1999	Mean: 40.1	·10 ⁻⁶ K ⁻¹	-	≤ 50·10 ⁻⁶ K ⁻¹	Grand	Pass

Note:

1. Test item is subcontracted on accreditation by CNAS L2233.

Test graph:





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Test Items, Method and Results:

Test Items	Test Method	Test Results	Granne'	Green.	Greene'	Granne'	Graner'	Green.
· • • • • • • • • • • • • • • • • • • •	EN 15534-4:2014 Section 4.5.7		Service .	Grand'	S	Granner .	Green.	Grand.
Degree of chalking (Only for coated	EN 15534-1:2014 Section 10.1	After weathering	test for 3	00 hours,	there was	no visual	chalking c	n
products)	ISO 4892-2:2013	the surface.						<u>Gr</u>
	cycle 1 ISO 4628-6:2011	<u></u>	Granus *	Greenwa'	Corconna'	Coressess.	Grander ¹	Gr



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Test Parameters:

1. Solution: (50±5) g/L NaCl

2. pH Value: 6.5~7.2

3. Test Duration: 200 hours

Test Items	Test Method	Test Results	Gweenen'	Continued Continued	Greenin'	Green
or Granni Granni	Gr Gr 6	Exposure time (h):	Gr	200	G*********	Green
	EN 15534-4:2014	△L*=		0.03		
Resistance to salt spray	Section 4.5.7	△a*=		0.08		Green
(NSS test)	EN 15534-1:2014 Section 8.6	△b*=		0.03		
. Granne Granne	EN ISO 9227:2017	△E*=		0.09		
		Grey Sale=		5		

Tested sample photo:





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Appendix A: Sample Received Photo



Front view (Test surface)



Back view



Section view

Revision:

NO.	Date	Changes
211220004SHF-001	2022-01-28	First issue