

Eco-friendly Composition



Natural Wood Fibre 55% (Hardwood fibre from sustainable sources)

Recycled Plastic 35% (100% Recycled)

Additives 10% (1% Anti UV + 0.5% Antioxidant + 3.5% Prime Pigment

+ 1% Insect Protectant + 4% Selected Process Additives)

WHY CHOOSE GRONODEC?

Our Gronodec Premier range of composite decking is easy to install, very low maintenance and extremely hard wearing.

It won't warp, splinter or rot and it's both slip and stain-resistant.

Available in wide variety of naturally inspired colour schemes, Gronodec eco-friendly composite decking is weatherproof and comes with the added benefit of a 25 year warranty.

Create stylish yet practical outdoor living spaces that can be enjoyed all year round - whatever the weather.

If you need any advice on choosing the best product for you then please call us on 0161 877 0929 or email sales@grono.co.uk



Unit 5, Guinness Road Trading Estate, Manchester M17 1SB 0161 877 0929

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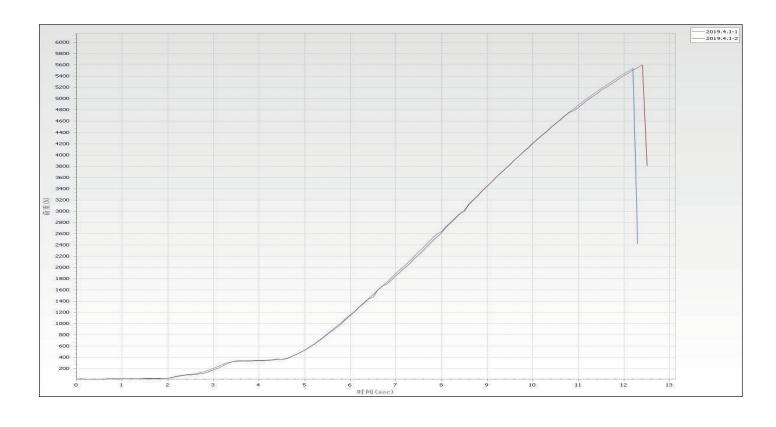


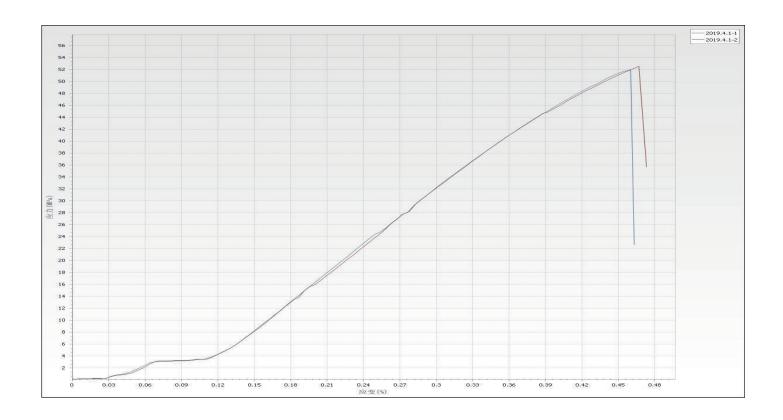
Test No. 20190401

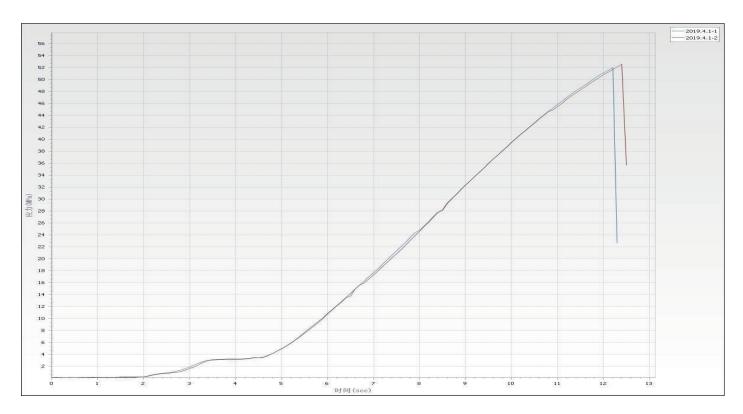
Test Standard: CE
Test Distance: 35cm

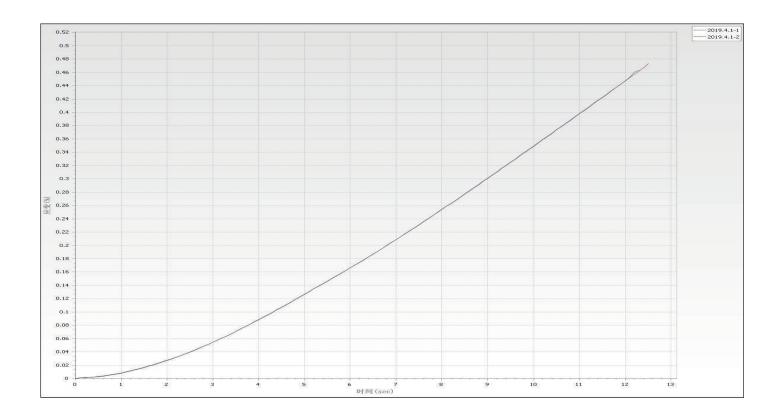
Test Temperature: 25 degrees C
Test Date: 1st April 2019

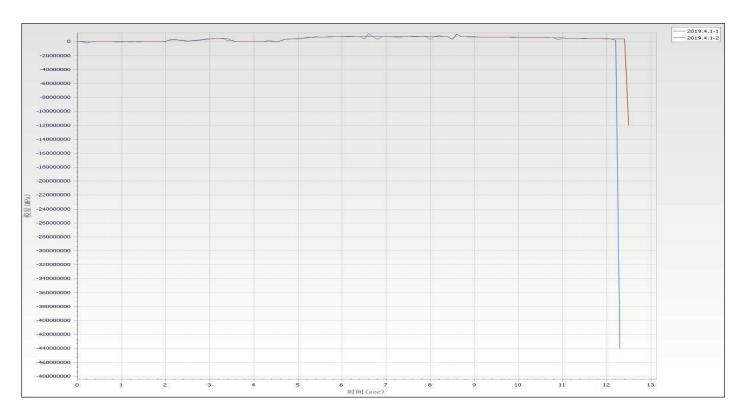
Text No.	The Maximum Loading(N)	Bending Strength (MPa)	Bending Elastic Modulus (Ei)(MPa)	Width (mm)	Thickness (mm)	Miximum Load Displacement (mm)	
2019.4.1-1	5544.95	52.02	16186.93	136.00	23.00	6.754	
2019.4.1-2	5601.20	52.55	15599.88	136.00	23.00	6.854	
Average Value X-bar	5573.08	52.28	15893.40	136.00	23.00	6.804	

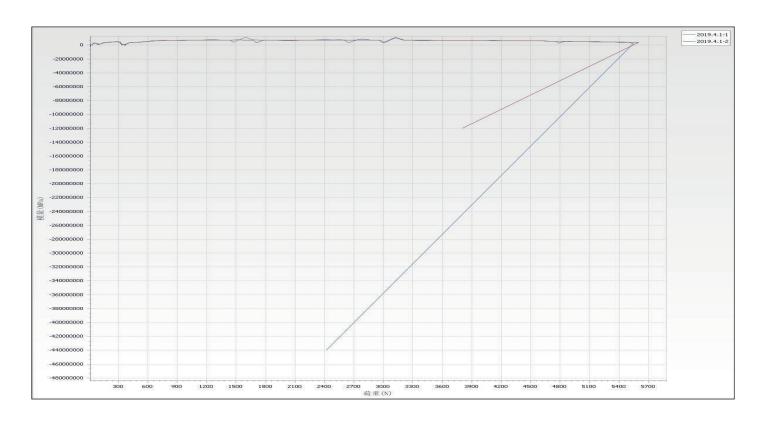


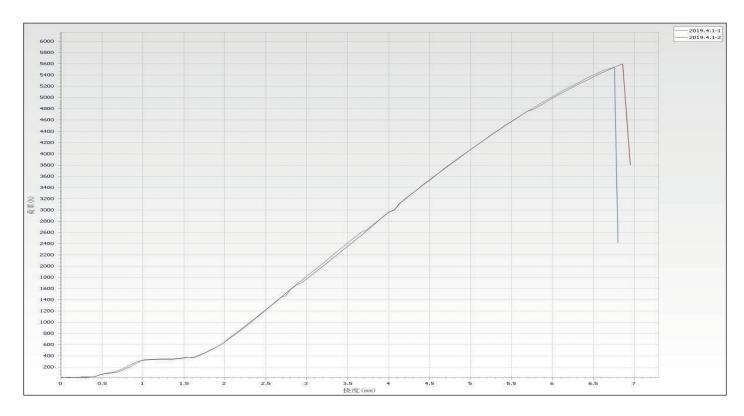












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The following sample(s) was/ were submitted and identified on behalf of the client as:

Sample Name : WPC DECKING
Sample Number : SHCCM150702425

Test Required : Slip resistance

Test Method : DIN 51130:2014-02

Product Specification : 88×23mm

Product or Lot No. : 15072301

Date of Receipt : Jul. 29, 2015

Test Period : Jul. 29, 2015 to Aug. 10, 2015

Test result(s) : For further details, please refer to the following page(s)

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

Signed for SGS-CSTC Standards Technical Services

Em Huy

Authorized signatory

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Test Property	Test procedures/requirements	Rating/ Result
	Prepare the test sample as the size of 100cm x 50cm, cleaning the surface	
	before test.	
	The temperature of the lab, shoes, lubricant and the decorative panels should	
	be kept at (23 ± 5) ℃	
	Before test, apply a layer of lubricant on the surface of the decorative panels	
	evenly with a brush, the density should be (200 ± 20) ml every square meter,	
	the outer bottom of the shoes should also be covered with lubricant.	
SLIP RESISTANCE		
	Illustration 1-bottom of the shoes for inspect	
	Inspector should maintain upright posture and walk forward and backward on	
	the decorative panels while watch below, stride width should reach half the	
	length of the shoes. Start from the horizontality; Increase the angle of	
	inclination of the panels at a angular velocity of about one degree every	
	second. Inspector will linger at critical areas many times to determine the	
	reliable walk limit inclination angle he or she can reached, repeat the above	
	procedure three times and start from the horizontality every time. Before the	
	second and the third time, reapply the lubricant on the surface as above with	
	the brush.	

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



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Test Property	Test p	rocedures/requiremer	nts			Rating Resul	
	I.Calib	ration of the test person	on				
	1. Eac	Each inspectors should walk on the every standard flooring for three times,					
	then calculate the average angle respectively:						
	2. The difference value will be calculated: $\Delta \alpha_{ST-Ij}$, $\Delta \alpha_{ST-IIj}$, $\Delta \alpha_{ST-IIIAj}$. If the						
	difference value is out of range of CrD95, the inspector should be eliminated						
	See below table 1						
		Table 1					
			Star	ndard flooring			
		i		αS,i	CrD95		
		St-I		8.7°	3.0°		
		St-II		17.3°	3.0°		
		St-IIIA		27.3°	3.0°		
	II . Test for sample						
	Two qualified inspector selected as above walk on the sample panels for three						
	times respectively, then calculate the mean value $a_{0.1}$ and $a_{0.2}$, then calculate						
	the corrected value Dj according to below table 2.						
	Table 2						
		Case Corrected value Dj					
	$\alpha_{0,1} < \alpha$	/K,St-I,1	$D_{\dagger} = \Delta \alpha_{S \dagger - 1, 1} \cdot \frac{1}{\sqrt{2}}$				
	α _{K,St-I,}	$_{1} \leq \alpha_{0,1} < \alpha_{K,St-II,1}$	$D_1 = \left[\Delta \alpha_{\text{St-l},1} + (\Delta \alpha_{\text{St-l},1} - \Delta \alpha_{\text{St-l},1}) \cdot \frac{\alpha_{0,1} - \alpha_{K,\text{St-l},1}}{\alpha_{K,\text{St-l},1} - \alpha_{K,\text{St-l},1}} \right] \cdot \frac{1}{\sqrt{2}}$				
	α _{K,St-II,}	$_{,1} \le \alpha_{0,1} < \alpha_{K,St-IIIA,1}$	$D_1 = \left[\Delta \alpha_{S1} \right]$	$\alpha_{0,1} - \alpha_{K,St- ,1} + (\Delta \alpha_{St- ,1} - \Delta \alpha_{St- ,1}) \cdot \frac{\alpha_{0,1} - \alpha_{K,St- ,1}}{\alpha_{K,St- ,1} - \alpha_{K,St- ,1}}$	$\frac{1}{\sqrt{2}}$		
	α _{K,St-III}	$ A_{1} \leq \alpha_{0,1}$	$D_1 = \Delta \alpha_{St}$	$-\text{IIIA,1} \cdot \frac{1}{\sqrt{2}}$			
	The result for inspector j : αj=α0,j+Dj						
	The final result for the two inspectors: $\alpha = (\alpha 1 + \alpha 2)/2$,on this basis and						
	accord	ling to table 3,give a fi	inal rati	ng of slip resistance.			

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

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Test Property	Test procedures/requirements				
	Table3 - The relation between the corrected overall angle and the rating of the				
	slip resistance				
	α Rating				
	6°~10°	R 9			
	10°~19°	R 10			
	19°~27°	R 11			
	27°~35°	R 12			
	>35°	R 13			
	Illustration 2 inspect device	with safety mechanism (inclined plane)			
		0052			

Statement: Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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

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Sample Photos:

Test sample (test surface)



Standard flooring



Test sample (back surface)



Test shoes



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