



2012000586E



TEST REPORT

(No): 20131C00402



Entrusted by:

Nanjing Xuhua Sundi New Building Materials
Co.,Ltd

Sample Name:

Wood-plastic composite flooring

Test Type:

Entrustment test

**National Research Center of Testing
Techniques for Building Materials**



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Sample name	Wood-plastic composite flooring	Test type	Entrustment test
Entrusted by	Nanjing Xuhua Sundi New Building Materials Co.,Ltd	Brand	_____
Manufacturer	Jiangsu Xuhua Sundi Building Materials Co.,Ltd	Sample description	The sample is intact
Date of reception	Mar.6th.2013	Sample No.	_____
Date of produce	Feb.21th.2013	Batch No.	_____
Model /Size	500mm ×150mm×30mm	Quantity of Sample	20pieces
standard/method	GB/T 24508-2009 Wood-plastic composite flooring		
Test items	1.Size change rate of water absorption 2.Bending load 3.Falling ball impact in room temperature 4.Resistance to freeze-thaw 5.Cool-heat cycling test 6.Density 7.Surface abrasion 8.Determination of water absorption 9.Size change degree after calefaction 10.Falling ball impact in low temperature 11.Formaldehyde emission 12.Rate of creep recovery		
Test conclusion	*The sample(s) tested complies with the requirements of GB/T 24508-2009.* Issued date : Mar.28th.2013  (cachet)		
Remarks: (Blank)			

Approved by:

Verified by:

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No.	Test items	Requirements of standard	Test results	Individual conclusion	
1	Size change rate of water absorption	Longitudinal direction $\leq 0.3\%$	0.04%	Pass	
		Widthwise direction $\leq 0.4\%$	0.16%	Pass	
		Thickness direction $\leq 0.5\%$	0.11%	Pass	
2	Bending load	Public places $\geq 2500\text{N}$ Non - public places $\geq 1800\text{N}$	6744N	Pass	
3	Falling ball impact in room temperature	The diameter of the pit $\leq 12\text{mm}$	9mm	Pass	
4	Resistance to freeze-thaw	Retention rate of bending load $\geq 80\%$	96%	Pass	
5	Cool-heat cycling test	Appearance	No bubbles,cracks	Pass	
		Dimensional change	$\leq 0.5\text{mm}$	0.35mm	Pass
6	Density	$\geq 0.85\text{g/cm}^3$	1.30g/cm^3	Pass	
7	Surface abrasion	$\leq 0.15\text{g}/100\text{r}$	$0.09\text{g}/100\text{r}$	Pass	
8	Determination of water absorption	Foaming $\leq 10.0\%$ Non-foaming $\leq 3.0\%$	0.5%	Pass	
9	Size change degree after calefaction	Front Back	$\pm 1.0\%$	Front -0.3% Back -0.3%	Pass
		Difference in the rate of change	$\leq 0.5\%$	0.07%	Pass
10	Falling ball impact in low temperature	-10℃, No crake	-10℃, No crake	Pass	
11	Formaldehyde emission	$E_0 \leq 0.5\text{mg/L}$ $E_1 \leq 1.5\text{mg/L}$	$< 0.1\text{mg/L}$	Pass	
12	Rate of creep recovery	$\geq 75\%$	85%	Pass	
Remarks: (Blank)					

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