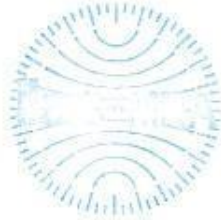




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CNAS L2249

REPORT No.14-012-2

TEST REPORT



PRODUCT PP Plastic coated plywood

COMPANY Shandong Fangyuan Building Materials CO., LTD-Pengcheng Group

CLASSIFYING ENTRUSTED TESTING

NANJING WOOD-BASED PANELS TESTING CENTER OF
THE STATE FORESTRY ADMINISTRATION OF CHINA

国家林业局南京人造板质量监督检验站

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NANJING WOOD-BASED PANELS TESTING CENTER OF
THE STATE FORESTRY ADMINISTRATION OF CHINA
TESTING REPORT

No.14-012-2

3 PAGES No.1

Inspected unit	Shandong Fangyuan Building Materials CO., LTD-Pengcheng Group		
Production unit	Shandong Fangyuan Building Materials CO., LTD-Pengcheng Group		
Product name	PP Plastic coated plywood	Trademark	FANGYUAN FORMWORK
Product size	Thickness: 18mm	Testing classification	Entrusted testing
Grade	Acceptable part	Standard	EN314-1, EN314-2, EN 310
Production date	2013-12-22	Sample size	mm: 500×500×18 2pcs
Bonding class	————	Wood species	Poplar
Testing item	Bonding quality, Modulus of elasticity in bending, Bending strength		
Conclusion	<p>Required by Shandong Fangyuan Building Materials CO., LTD-Pengcheng Group, according to the standard EN314-1, EN314-2 and EN 310, Nanjing Wood-based panels testing center of the state forestry administration of China tests its sending the plywood samples' Mechanical properties (Bonding quality, Modulus of elasticity in bending, Bending strength).</p> <p>Test values see in Page 2 and Page 3.</p> <p style="text-align: right;">Testing unit (stamp): Issuing date: January 20, 2014</p>		
Remarks	<p>1. The production unit's name and trademark of the product are supplied by the inspected unit.</p> <p>2. This report is only responsible for sending samples.</p> <p>3. Bonding quality' details of pretreatments EN314-1:1993 5.1.3: Immersion for 4 hours in boiling water, then drying in the ventilated drying oven for 16 hours at (60 ±3)°C, then Immersion in boiling water for 4 hours, followed by cooling in water at (20 ±3)°C for at least 1 hour to decrease temperature of test pieces to 20°C.</p>		

Approved by: 黄河清

Reviewed by: 梁星宇

Tested by: 常志高

NANJING WOOD-BASED PANELS TESTING CENTER OF
THE STATE FORESTRY ADMINISTRATION OF CHINA
TESTING REPORT

No.14-012-2

3 PAGES No.2

Inspected unit		Shandong Fangyuan Building Materials CO., LTD-Pengcheng Group		
Product name		PP Plastic coated plywood	Sampling method	Sending
Product size		Thickness: 18mm	Standard	EN314-1,EN314-2,EN310
Testing date		January 8, 2014 TO January 20, 2014		
Testing item		Unit	Standard used	Tested value
Bonding quality (glueline 1)	Mean shear strength(f_v)	N/mm ²	EN 314 (pretreatments by EN314-1 5.1.3)	0.73
	The standard deviation	—		0.055
	Mean apparent cohesive wood failure (W)	%		0
Bonding quality (glueline 2)	Mean shear strength(f_v)	N/mm ²	EN 314 (pretreatments by EN314-1 5.1.3)	0.63
	The standard deviation	—		0.260
	Mean apparent cohesive wood failure (W)	%		0
Bonding quality (glueline 3)	Mean shear strength(f_v)	N/mm ²	EN 314 (pretreatments by EN314-1 5.1.3)	0.70
	The standard deviation	—		0.169
	Mean apparent cohesive wood failure (W)	%		4
Bonding quality (glueline 4)	Mean shear strength(f_v)	N/mm ²	EN 314 (pretreatments by EN314-1 5.1.3)	0.71
	The standard deviation	—		0.177
	Mean apparent cohesive wood failure (W)	%		0
Bonding quality (glueline 5)	Mean shear strength(f_v)	N/mm ²	EN 314 (pretreatments by EN314-1 5.1.3)	0.74
	The standard deviation	—		0.055
	Mean apparent cohesive wood failure (W)	%		0
Bonding quality (glueline 6)	Mean shear strength(f_v)	N/mm ²	EN 314 (pretreatments by EN314-1 5.1.3)	0.81
	The standard deviation	—		0.158
	Mean apparent cohesive wood failure (W)	%		0



NANJING WOOD-BASED PANELS TESTING CENTER OF
THE STATE FORESTRY ADMINISTRATION OF CHINA

TESTING REPORT

No.14-012-2

3 PAGES No.3

Inspected unit	Shandong Fangyuan Building Materials CO., LTD-Pengcheng Group				
Product name	PP Plastic coated plywood	Sampling method	Sending		
Product size	Thickness: 18mm	Standard	EN314-1,EN314-2,EN310		
Testing date	January 8, 2014 TO January 20, 2014				
Testing item		Unit	Standard used	Tested value	
Bending strength	Longitudinal grain	N/mm ²	EN 310	Panel average	50.0
				Standard deviation	1.72
	Cross grain	N/mm ²		Panel average	40.2
				Standard deviation	4.48
Modulus of elasticity in bending	Longitudinal grain	N/mm ²	EN 310	Panel average	5137
				Standard deviation	131.6
	Cross grain	N/mm ²		Panel average	3519
				Standard deviation	389.7
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