

DECLARATION OF PERFORMANCE



No. XYG-DOP-PLYWOOD-2024/001

1. **Union identification code of the product-type:**

Eucalyptus/EV veneer Faced Poplar Core Hardwood Plywood, Bonded with MUF glue to meet technical class: **EN314-2 class 2 (Immersion for 6 h in boiling water)**

2. **Intended use:** Plywood to be used as structural or non-structural components in dry and humid conditions:

3. Name, registered trade name or registered trade mark and contact address of the manufacturer:

XUZHOU XINYANGGUANG WOOD CO., LTD
Chenlou Town, Pizhou City, 221325, Jiangsu, China.

4. System or systems of assessment and verification of constancy of performance of the construction product:

System 2+

5. In case of the declaration of performance concerning a construction product covered by a harmonized standard:

BS EN13986: 2004 + A1: 2015.

6. Notified Body and number :

ISTITUTO
GIORDANO
No. 0407
Certificate No. 0407-CPR-722 (IG-242-2013)
&
BBA 0836
UK0836-CPR-22/F6352

7. In case of the declaration of performance concerning a construction product for which a test center has been issued:

Nanjing Wood-Based Panels Testing Center of the State Forestry Administration of China
No. 159, Jangpan Road, Nanjing Forestry University, Jiangsu Province, China.

Tested under registration number: CNAS L2249, A member of ilac-MRA.

Performed the initial test and issued a constancy of performance of the factory production control test reports with the No of TR-2024-001, ITT sample is 9mm, 12mm, 15mm, 18mm, 25mm.



8. Declared Performance:

9mm

Essential Characteristics		Performance	Harmonized technical specification
Reaction to fire class		D-s2,d0	EN13986:2004 +A1:2015
Formaldehyde class		E1 <3.5mg/m2h	
PCP		NPD	
Density		Min 480kg/m3	EN 323
Moisture Content		5-14	EN 322
Bonding Quality	Mean Sheer strength (N/MM ²)	0.65N/mm2	EN 314-1 ;EN 314-2
	Mean % Wood Failure	30	
Bending strength (acc. to EN 636) in length direction (fm,0) / width direction		F30 - 48.1N/mm2	EN310
		F20 - 36.7N/mm2	
Modulus of elasticity in bending (stiffness in bending acc. to EN 636) in length direction (Em,0) / width direction (Em, 90)		E60 -5560N/mm2	EN310
		E35 - 3300N/mm2	

12mm

Essential Characteristics		Performance	Harmonized technical specification
Reaction to fire class		D-s2,d0	EN13986:2004 +A1:2015
Formaldehyde class		E1 <3.5mg/m2h	
PCP		NPD	
Density		Min 480kg/m3	EN 323
Moisture Content		5-14	EN 322
Bonding Quality	Mean Sheer strength (N/MM ²)	0.53N/mm2	EN 314-1 ;EN 314-2
	Mean % Wood Failure	30	
Bending strength (acc. to EN 636) in length direction (fm,0) / width direction		F35- 56.5N/mm2	EN310
		F20 - 32.7N/mm2	
Modulus of elasticity in bending (stiffness in bending acc. to EN 636) in length direction (Em,0) / width direction (Em, 90)		E60 - 6155N/mm2	EN310
		E40 -4021N/mm2	

15mm:

Essential Characteristics		Performance	Harmonized technical specification
Reaction to fire class		D-s2,d0	



		EN13986:2004 +A1:2015
Formaldehyde class	E1 <3.5mg/m ² h	
PCP	NPD	
Density	Min 480kg/m ³	EN 323
Moisture Content	5-14	EN 322
Bonding Quality	Mean Sheer strength (N/MM ²)	EN 314-1 ;EN 314-2
	Mean % Wood Failure	
Bending strength (acc. to EN 636) in length direction (fm,0) / width direction	F30 - 50.7N/mm ²	EN310
	F20 - 30.7N/mm ²	
Modulus of elasticity in bending (stiffness in bending acc. to EN 636) in length direction (Em,0) / width direction (Em, 90)	E60 - 5620N/mm ²	EN310
	E40 - 3880N/mm ²	

18mm:

Essential Characteristics	Performance	Harmonized technical specification
Reaction to fire class	D-s2,d0	EN13986:2004 +A1:2015
Formaldehyde class	E1 <3.5mg/m ² h	
PCP	NPD	
Density	Min 480kg/m ³	EN 323
Moisture Content	5-14	EN 322
Bonding Quality	Mean Sheer strength (N/MM ²)	EN 314-1 ;EN 314-2
	Mean % Wood Failure	
Bending strength (acc. to EN 636) in length direction (fm,0) / width direction	F30 - 49.1N/mm ²	EN310
	F25 - 42.1N/mm ²	
Modulus of elasticity in bending (stiffness in bending acc. to EN 636) in length direction (Em,0) / width direction (Em, 90)	E60 -5499N/mm ²	EN310
	E40 -4085N/mm ²	

25mm:

Essential Characteristics	Performance	Harmonized technical specification
Reaction to fire class	D-s2,d0	EN13986:2004 +A1:2015
Formaldehyde class	E1 <3.5mg/m ² h	
PCP	NPD	
Density	Min 480kg/m ³	EN 323
Moisture Content	5-14	EN 322



Bonding Quality	Mean Sheer strength (N/MM ²)	0.41N/mm2	EN 314-1 ;EN 314-2
	Mean % Wood Failure	20	
Bending strength (acc. to EN 636) in length direction (fm,0) / width direction		F25 - 39.2N/mm2	EN310
		F20 - 32.7N/mm2	
Modulus of elasticity in bending (stiffness in bending acc. to EN 636) in length direction (Em,0) / width direction (Em, 90)		E50 -4600N/mm2	EN310
		E30 -3050N/mm2	

9. This declaration of Performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed for and on behalf of the manufacturer by:

Dong Bo
General Manager
 Signature:  

Pizhou City, Jan .8th, 2024
Place and date of issue

