

Declaration of Performance
No. FSJL-DoP-Plywood-2022002

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| 1. Unique Identification code of product type | Eucalyptus throughout hardwood plywood 9mm - 25mm |
| 2. Intended use(s): Technical class(es): | For internal or protected external uses as structural component in humid conditions EN 636-2 |
| 3. Manufacturer (Address) | GUANGXI FUSHUI JINLUN WOODS CO., LTD. Shanxu Farm, Shanxu Town, Fushui County, Guangxi, China |
| 4. System of Assessment and Verification of Constancy of Performance (AVCP) | AVCP system 2+ |
| 5. Harmonized standard | EN 13986:2004+A1:2015 |
| Notified body | ISTITUTO GIORDANO (notified body 0407) 0407-CPR-1345 |

| Essential characteristics (acc. to table ZA. 1.1 in annex ZA of the EN 13986:2004+A1:2015) | | Performance(according to thickness) | | | | | | Harmonized technical specification |
|--|------------|---|--------------------|--------------------|--------------------|--------------------|--------------------|------------------------------------|
| | | 9mm | 12mm | 15mm | 18mm | 22mm | 25mm | |
| Bending strength (acc. to EN 636) in length direction ($f_{m,0}$) / width direction ($f_{m,90}$) | $f_{m,0}$ | F30 -min 50.5N/mm2 | F30 -min 50N/mm2 | F30 -min 45.9N/mm2 | F35 -min 55.6N/mm2 | F35 -min 56.2N/mm2 | F40 -min 72.1N/mm2 | EN310 |
| | $f_{m,90}$ | F30 -min 50.2N/mm2 | F30 -min 47N/mm2 | F20 -min 33N/mm2 | F30 -min 48N/mm2 | F20 -min 37.8N/mm2 | F40 -min 65.9N/mm2 | |
| Modulus of elasticity in bending (stiffness in bending acc. to EN 636) in length direction ($E_{m,0}$) / width direction ($E_{m,90}$) | $E_{m,0}$ | E35 -min 3498N/mm2 | E60 -min 5828N/mm2 | E60 -min 5726N/mm2 | E70 -min 6652N/mm2 | E80 -min 7560N/mm2 | E80 -min 7824N/mm2 | EN310 |
| | $E_{m,90}$ | E35 -min 3417N/mm2 | E60 -min 5435N/mm2 | E40 -min 4454N/mm2 | E50 -min 5171N/mm2 | E40 -min 3960N/mm2 | E70 -min 6589N/mm2 | |
| Bonding Quality (Mean shear strength) | EN 314-1 | 1.16 N/mm2 | 1.68 N/mm2 | 1.41 N/mm2 | 0.97 N/mm2 | 1.81 N/mm2 | 1.02 N/mm2 | EN 314-1 EN 314-2 |
| | EN 314-2 | Class 2 | Class 2 | Class 2 | Class 2 | Class 2 | Class 2 | |
| Moisture Content | | 9% - 14 % | | | | | | EN 322 |
| Density | | min 580 kg/m3 | | | | | | EN 323 |
| Reaction to fire | class | E | | | | | | EN 13986:2004 +A1:2015 |
| Water vapour permeability (μ) | value | wet cup: 70 / dry cup: 200 | | | | | | |
| Release of formaldehyde (expressed as class E1 or E2) | class | class E1 (0.12mg/L - 0.17mg/L) | | | | | | |
| Release (content) of pentachlorophenol (PCP) | ppm | ≤ 5 ppm | | | | | | |
| Sound absorption (factor α) | value | 0.1 for frequency range 200 Hz to 500 Hz / 0.5 for frequency range 1000 Hz to 2000 Hz | | | | | | |
| Thermal conductivity (λ) | W/(m*K) | 0.13 | | | | | | |
| Moisture resistance | class | Class 2 | | | | | | |

*NPD...No Performance Determined

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer, identified above.

Signed for and on behalf of the manufactured by:

Wu Huichang, General Manager
name and function

Guangxi, 2022.01.18
place and date of issue



signature