

TECHNICAL DATA SHEET

Poplar plywood

Panel composed entirely of crossed poplar veneers. The outer faces are long-grain oriented (cross-grain oriented on request)
 Quality grade of faces: B/BB (II/III); BB/BB (III/III);
 C/C (IV/IV) (UNI EN 635-1; UNI EN 635-2)

Characteristics:

- lightweight
- mechanical performance
- easy to work and cut

Sizes (mm)

(Other sizes are available on request)

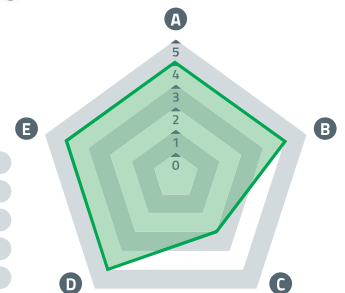
| | | |
|-----------|-----------|-------------|
| 3100x1530 | 2500x1220 | 2520x1720 |
| 2520x1870 | 2440x1220 | 2100 x 3100 |
| 1870x3100 | 1530x3100 | |

Thicknesses (mm)

(Other thicknesses are available on request)

| | | | | | |
|----|----|----|----|----|----|
| 40 | 30 | 25 | 22 | 20 | 18 |
| 15 | 12 | 10 | 8 | 6 | 5 |
| 4 | 3 | | | | |

| | |
|---|------------------------------|
| A | STRENGTH |
| B | WEIGHT |
| C | SURFACE HARDNESS |
| D | SURFACE FLATNESS/HOMOGENEITY |
| E | SCREW-HOLDING |



| PROPERTY | STANDARD | UNIT OF MEASURE | THICKNESS (mm) | | | | | | | | | | | |
|--------------------------------|------------|----------------------------|------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | | 4 | 8 | 10 | 12 | 15 | 18 | 20 | 25 | 30 | 40 | | |
| Density | EN 323 | Kg/m ³ (+/- 5%) | 400-450 | 400-450 | 400-450 | 400-450 | 400-450 | 400-450 | 400-450 | 400-450 | 400-450 | 400-450 | 400-450 | 400-450 |
| Longitudinal bending strength | EN 310 | N/mm ² (+/- 5%) | 24 | 24 | 32 | 37 | 29 | 28 | 32 | 29 | 32 | 32 | 32 | |
| Transversal bending strength | EN 310 | N/mm ² (+/- 5%) | 24 | 24 | 32 | 37 | 29 | 28 | 32 | 29 | 32 | 32 | | |
| Longitudinal elasticity module | EN 310 | N/mm ² (+/- 5%) | 4600 | 3600 | 3100 | 3200 | 3100 | 3300 | 3400 | 3400 | 3500 | 3500 | | |
| Transversal elasticity module | EN 310 | N/mm ² (+/- 5%) | 1370 | 3300 | 3290 | 3900 | 3580 | 3390 | 4030 | 3410 | 4100 | 4100 | | |
| Screw-holding – faces | EN 320 | N (+/- 10%) | 1200 | | | | | | | | | | | |
| Screw-holding – edges (≥ 15mm) | EN 320 | N (+/- 10%) | 1000 | | | | | | | | | | | |
| Thermal conductivity | EN 12664 | W/mK (+/- 5%) | 0,12 | | | | | | | | | | | |
| Moisture content | EN 322 | % | 8-12 | | | | | | | | | | | |
| Fire resistance | EN 13501-1 | | D-s2,d0 | | | | | | | | | | | |
| TOLERANCES | | | | | | | | | | | | | | |
| Thickness | EN 315 | mm | + (0,2 + 0,03 t); - (0,4 + 0,03 t) | | | | | | | | | | | |
| Length/ Width | EN 315 | mm | +/- 3,5 | | | | | | | | | | | |
| Squareness | EN 315 | mm/m | 1 | | | | | | | | | | | |

FIELDS OF APPLICATION



CERTIFICATIONS/TEST REPORTS



BONDING CLASS (UNI EN 314)



The data in this sheet show approximate values obtained from internal testing on normal production. It is the buyer's responsibility to determine whether the Bonzano products are suitable for the applications for which they are intended to be used and that the modes of transport and use comply with current regulations.