



- ONE PIECE FACE AND BACK
- CONSISTENT THICKNESS
- UNIFORM COLOR AND GRAIN
- EXCELLENT CORE CONSTRUCTION
- 3/4" (18mm) THICK SANDEPLY IS 9 PLY
- 1/2" (12mm) THICK SANDEPLY IS 7 PLY
- TRIPLED SANDED FOR PERFECT FINISHING
- SURFACE IDEAL FOR STAINING, PAINTING OR LAMINATING
- STABLE AND FLAT PANEL FOR EASE OF WORKING
- HIGHEST QUALITY B/C GRADE (IWPA – STANDARDS)
- PLYWOOD COMES FROM SUSTAINABLY MANAGED FORESTS



**ENDESA-BOTROSA**



**TECHNICAL INFORMATION FOR SANDEPLY PLYWOOD**

| Thickness                | Direction       | FLEXION            |                    |                    | COMPRESSION        |                    | TRACTION           |                    |
|--------------------------|-----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                          |                 | Ut. Res            | MOR                | MOE                | Ut. Res            | MOR                | Ut. Res            | MOR                |
|                          |                 | kg/cm <sup>2</sup> | kg/cm <sup>2</sup> | kg/cm <sup>2</sup> | kg/cm <sup>2</sup> | kg/cm <sup>2</sup> | kg/cm <sup>2</sup> | kg/cm <sup>2</sup> |
| 36mm<br>3ply             | Longitudinal    | 631                | 594                | 84.165             | 208                | 166                | 483                | 318                |
|                          | Cross-sectional | 336                | 299                | 24.532             | 405                | 298                | 634                | 403                |
| 9mm<br>5ply              | Longitudinal    | 406                | 334                | 61.263             | 314                | 230                | 315                | 210                |
|                          | Cross-sectional | 577                | 444                | 66.171             | 330                | 272                | 588                | 391                |
| 12mm<br>7ply             | Longitudinal    | 733                | 355                | 54.535             | 208                | 154                | 297                | 186                |
|                          | Cross-sectional | 586                | 503                | 71.388             | 357                | 282                | 356                | 232                |
| 15mm<br>7ply             | Longitudinal    | 351                | 280                | 52.002             | 130                | 111                | 257                | 241                |
|                          | Cross-sectional | 623                | 484                | 86.016             | 437                | 291                | 556                | 409                |
| 18mm<br>9ply             | Longitudinal    | 502                | 344                | 61.391             | 297                | 213                | 355                | 196                |
|                          | Cross-sectional | 570                | 334                | 73.971             | 326                | 229                | 372                | 198                |
| <b>LUMBER CORE SANDE</b> |                 |                    |                    |                    |                    |                    |                    |                    |
| 18mm                     | Longitudinal    | 419                | 270                | 64.179             | 448                | 339                | 204                | 163                |
|                          | Cross-sectional | 226                | 215                | 41.579             | 149                | 111                | 292                | 226                |

All wood products produced by Endesa and Botrosa undergo a strict quality control process based on the ISO — 9000 principles, during production, packaging, as well as shipping processes. Our plywood panels are classified according to the International Wood Products Association and the low emission resins used in its manufacturing comply the following international standards:

**For Urea Formaldehyde MR type II resin:**

- British standard Specifications 1455, type BR, MR, INT.
- German Standard DIN 68705, type A100, IW67, and IF20.
- US Product Standards PS1 — 74 and PS51 — 71, interior glue
- Japanese Plywood Export Standard, Type II and III

**For Phenolic WBP resin:**

- British Standard Specifications 1088 and 1455, type WBP
- German Standard DIN 68705, type AW100
- US Product Standards PS1 — 74 and PS51 — 71, exterior grade.
- Japanese Plywood Export Standard, Type I.

**CORPORATE INFORMATION**

Endesa and Botrosa plywood producers are member companies of Durini Group (DG).

In 1978, Endesa-Botrosa founded Juan Manuel Durini Forestal Foundation — FFJMD, an internationally recognized NGO which develops important projects in silvicultural research, plantations, reforestation, and sustainable forest management.

Endesa and Botrosa have currently launched the largest private forestry program in Ecuador, called Bosques Para Siempre, which is an initiative to promote sustainable forest management with social and environmental considerations.



*Programa  
bosques  
para  
siempre*

Endesa and Botrosa are in the process of obtaining FSC certification. Presently, the companies are members of the Forest Stewardship Council – FSC and are fully committed to their principles.

For further information about our products or our company, please contact: [sebastian@endesabotrosa.com](mailto:sebastian@endesabotrosa.com) / [lorenan@endesabotrosa.com](mailto:lorenan@endesabotrosa.com)  
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