



- ONE PIECE FACE AND BACK
- CONSISTENT THICKNESS
- UNIFORM COLOR AND GRAIN
- EXCELLENT CORE CONSTRUCTION
- ¾" (18mm) THICK SANDEPLY IS 9 PLY
- ½" (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	
		Ult. Res	MOR	MOE	Ult. Res	MOR	Ult. Res	MOR
		kg/cm2	kg/cm2	kg/cm2	kg/cm2	kg/cm2	kg/cm2	kg/cm2
3,6mm 3 ply	Longitudinal	631	594	84.165	208	166	483	318
	Cross-sectional	336	299	24.532	405	298	634	403
9mm 5 ply	Longitudinal	406	334	61.263	314	230	315	210
	Cross-sectional	577	444	66.171	330	272	558	391
12mm 7 ply	Longitudinal	733	355	54.535	208	154	297	186
	Cross-sectional	586	503	71.388	357	282	356	232
15mm 7 ply	Longitudinal	351	280	52.002	130	111	257	241
	Cross-sectional	623	484	86.016	437	291	556	409
18mm 9 ply	Longitudinal	502	344	61.391	297	213	355	196
	Cross-sectional	570	334	73.971	326	229	372	198
LUMBER CORE SANDE								
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 are two hardwood plywood mills in Ecuador with an annual production capacity of 90.000 m3 approximately.

We rely on thirty years of experience in exporting quality hardwood plywood products to over 10 different countries around the world. Our growth over time is based on reliability and excellence.

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.



*Programa
bosques
para
siempre*

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.

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:

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Or visit our websites:

www.endesabotrosa.com - www.sandeplywood.com

