

Forest-Multiply Laser[®] Birch



Plywood board entirely composed of unrolled sheets of European birch. Sheets are glued with urea – formaldehyde glues (MR), which enables their use in activities that require laser cut.

Regarding the kind of glue used in the manufacturing, it is recommended the strictly indoor using of these boards.

Gluing

Class I (EN 314-2)

Main uses

Dies for graphic arts
Toys
Furniture
Roofs



Thickness (mm)	Dimensions (mm)
From 12 until 125	From 2440 *1220 until 3000*1500

Characteristics (only related to the birch plywood board in the standard configuration)

	Unit	Values	Standards
Density	Kg/m ³	650 ± 50	UNE-EN 323
Elasticity unit	Longitudinal	>9.500 MPa	UNE-EN 310
	Transverse	>8.200 MPa	UNE-EN 310
Resistance to elasticity	Longitudinal	>90 MPa	UNE-EN 310
	Transverse	>78 MPa	UNE-EN 310
Formaldehyde emissions		E1	EN 717-2
		CARB Phase 1 [§]	
		CARB Phase 2 [§]	93120
		CARB ULEF [§]	
Resistance to unstuck	MPa	96,5	UNE-EN ISO 178
Absortion of water at 20°	%	2,31	UNE-EN ISO 62
Resistance to unstuck by traction	N	2330	ASTm C 297
Reaction to fire		D-S2,d0	UNE 13501-1
Resistance to uprooting screws	daN	198	UNE-EN 13446
Acoustic isolation	dBA	27,1 ± 1,0	UNE-EN ISO 140-3
Determination of combustion heat	Mj/Kg	18,24	UNE-EN ISO 1716

* Indicated data are based on tests realised in independent laboratories.

* These data are based on core and sheets specific thickness, therefore it may be interpreted as guidance.

§ Only under special requirements.