

# Forest-Melaminic Laser® Birch



**Technical board** composed of urea plywood core 100% birch covered on both sides with transparent melamine that protects the board from humidity dimensional changes. High performance board designed and manufactured by dies for graphic arts.

## Gluing

Class I (EN 314-2)

## Main uses

Dies for graphic arts



## Thickness (mm)

From 12 until 125

## Dimensions (mm)

From 2440 \*1220 until 3000\*1500

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

	Unit	Values	Standards
Density	Kg/m <sup>3</sup>	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 <sup>§</sup>	
		CARB Phase 2 <sup>§</sup>	93120
		CARB ULEF <sup>§</sup>	
Resistance to unstuck	MPa	96,5	UNE-EN ISO 178
Absortion to 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.