Parque empresarial Boroa. Edificio Forest Trafic
48340. Amorebieta. España
TEL: (+34) 94 475 74 02 FAX:(+34) 94 475 74 03
www.forest-trafic.com

Forest-Door® Birch

Technical board manufactured in multi-sandwich configuration composed of a phenolic plywood core 100% birch both sides covered with aliminium sheets and also with two external sides of plywood that can be directly covered with outdoor varnish, or covered in any laminated material (HPL, decorative aluminium, PP, flat wood sheet…).

Manufacturing of Forest-Door® Birch boards enables:

- To increase acoustic isolation
- To increase security against door forcing.
- To increase resistance to humidity.
- To increase dimensional stability of the door.

Gluing
Class III (EN 314-2)

Finish
Natural
Aluminium (Anodized, lacquer)
Stainless Steel, copper
HPL
PP

Main uses
High performance doors

Thickness (mm)	Dimensions (mm)
From 30 until 125	From 2440 *1220 until 4000*2000

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 CARB Phase 1$ CARB Phase 2$ CARB ULEF$	EN 717-2 93120
Resistance to unstuck	MPa	96,5	UNE-EN ISO 178
Absortion to water at 20º	%	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 isolataion	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.