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Forest-Multiply Cork Sandwich® Birch

FSC
www.fsc.org

Technical board composed by a cork core (or cork– rubber under physical – mechanical requirements), covered on both sides with phenolic plywood 100% birch.

Thickness, density and configuration of the sheets are analysed in order to get the required thermal insulation.

Gluing
Class III (EN 314-2)

Finish
Natural
Phenolic film
Any laminated material (metal, HPL, PVC, PP, wood sheet, etc)

Variations
Fireproof
Composed cores of cork – rubber to special requirements (high isolation, reaction to fire, etc)

Main uses
Bus floors
Train floors

Thickness (mm)	Dimensions (mm)
From 15 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 of 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
		> HL3 para R10$^{\$}$	UNE-EN 45545-2:2013
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.