

Forest-Multiply PUR Sandwich® Birch



Technical board composed of a polyurethane foam core (density according to customer requirements), covered on both sides with phenolic plywood 100% birch. Thickness, density and configuration of 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, PP, wood sheet, etc.)

Variations

PIR cores for fireproof variations

Main uses

Bus floors

Train floors



Thickness (mm)	Dimensions (mm)
From 18 until 125	From 2440 *1220 until 4000*2000

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

	Unit	Values	Standards
Density	Kg/m ³	450 ± 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
Absorption 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.