

1. Description and range

Valbonite® Natural Fibre Board

Thin brown wood fibre panel with one very smooth surface and a rough one.

Through temperature and pressure the 100% eucalyptus wood fibres are isolated and later pressed. The result is a sheet with a high mechanical resistance

Available Services:

Sanding, calibrating, cut to size, painting and printing.

Dimensions and Thicknesses

Dimensions (mm): 2440x1700 | 2750 x 1700 | 2440x1220

Thicknesses (mm): 2 | 2,5 | 3,2 | 5

2. Applications

There are several applications for Valbonite panels.

Building

Ceiling, doors, wall panelling.

Design and advertising

Window-shops, support panels, frames, exhibition stands.

Joinery

Excellent option for back panels in furniture, drawer bottoms, flooring, covering doors.

Car industry

Internal paneling, caravans, trailers, buses.

Acoustics

Show rooms, sound studios, phone booths, schools.

Packaging

Because it hasn't any harmful substances in its composition and it is odourless, Valbonite is ideal for any type of packaging.

3. Certifications

IFM – Indústria de Fibras de Madeira, SA, holds a certification of Chain of Custody (CoC), in accordance with the relevant standards FSC (Forest Stewardship Council) – certified Valbonite under request.

4. Properties

	Standards	Reference Values	
Thicknesses (mm)		≤3,5	>3,5 a 5,5
Tests			
Moisture Contempt (%)	EN 322 / EN 622-1	4-9	4-9
Internal Bond (N/mm ²)	EN 319 / EN 622-2	≥0,50	≥0,50
Swelling after 24 hours (%)	EN 317 / EN 622-2	≤37	≤30
Density (Kg/m ³)	EN 323 / EN 316	>900	>900
Bending Strength (N/mm ²)	EN 310 / EN 622-2	≥30	≥30
Dimension Tolerances			
Thickness (mm)	EN 324-1	±0,3	±0,5
Size (mm/m)*	EN 622-1	±2,0	±2,0
Squareness (mm/m)	EN324-2	2,0	2,0
Straightness (mm/m)	EN 622-1	1,5	1,5

*maximum 5mm in total
 According to customer enquiry we can manufacture products with different properties

5. Advantages

Smooth and polished surface
 No knots or wood irregularities
 No formaldehyde emissions – Class E1 (EN 13986)
 High resistance to wear
 Better insulation than solid wood
 Highly flexible
 May be sawn, nailed and glued
 May be painted, veneered, lacquered or waxed

8. Instructions for Use and Storage

Stack sheets horizontally avoiding ground contact
 Protect sheets before they're used
 Use conveniently sharpened tools
 Handle sheets with care so as to not damage corners, edges or surfaces