

## 1. Description

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### Valboard

Valboard is an MDF panel manufactured by Valbopan, coloured in full thickness. Developed for applications where it is not essential to be moisture resistant, with high quality and a competitive cost.

It is manufactured from pine wood fibres, bonded with synthetic resins, through the action of heat and pressure with the addition of organic dyes that give it colour throughout the mass. The final product is a homogeneous panel, easy to cut, uniform density, smooth and uniform surfaces, low formaldehyde emission (Class E1), for use in a dry environment.

It is manufactured in thicknesses of 8 and 19 mm, in grey and black colours. The Valboard panel, due to the use of organic dyes and the variation in the natural colour of the wood, presents differences in shade. This variation can be observed on the same face, between faces of the same panel and between different productions or thicknesses. To minimize this effect, the supply of a project, must be from a single production.

## 2. Dimensions

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	Dimensions			
mm	2440 x 1220	2440 x 1830	3660 x 1220	3660 x 2440
inch	96 x 48	96 x 72	144 x 48	144 x 96

Note: Availability on request

## 3. Thickness, thickness tolerance and cut tolerance

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Thickness		Thickness Tolerance		Cut Tolerance
mm	inch	mm	inch	
8	5/16	± 0.2	± 0.008	± 2 mm/m, 0.2 % Máx. 5 mm, 0.2"
19	3/4	± 0.2	± 0.008	

## 4. Applications

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Interior wall cladding, false ceilings, furniture, decorative panels, doors, stands, etc.

## 5. Certifications

The Valboard panel is CE marked, system 4.

Valbopan S.A. holds the Chain of Custody Certification, in accordance with the applicable normative references. Upon request, the Valboard panel can be supplied with one of the FSC® C101993 or PEFC/13-31-027 certifications.

## 6. Properties

Characteristic	Unit	Thickness		Standard
	mm	8	19	
	inch	5/16	3/4	
Density	Kg/m <sup>3</sup>	800	750	EN 323
	Lb/ft <sup>3</sup>	49.9	46.8	
Bending strength	N/mm <sup>2</sup>	23	20	EN 310
	psi	3335	2900	EN 310
Modulus of elasticity in bending	N/mm <sup>2</sup>	2700	2200	EN 310
	psi	391600	319080	EN 310
Internal Bond	N/mm <sup>2</sup>	0,65	0,55	EN 319
	psi	94.3	79.8	EN 319
Swelling in thickness 24 h	%	17	12	EN 317
Fire Reaction		F-s2, d0	D-s2, d0	EN 13501
Formaldehyde		≤ 8 mg/100g, Class E1		EN ISO 12460-5

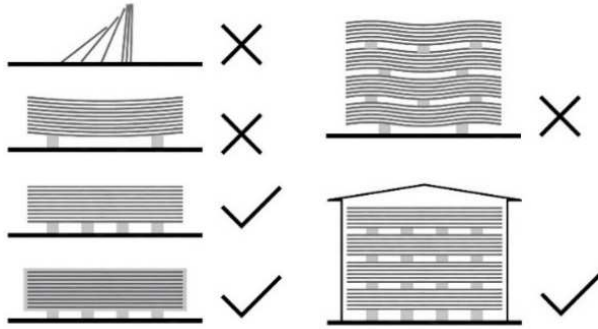
## 7. Benefits

Free from knots and chips, no directional pattern on the surface, flat and dense surfaces, good dimensional stability, good mechanical resistance, easy to finish.

## 8. Finishing

The Valboard panel is supplied without finishing. For final use it is recommended to finish the surfaces and tops using varnish, wax or oil.

## 9. Storage



Valboard panels must be stored in a closed area, protected from sunlight, with controlled temperature and humidity, supported on a flat and horizontal base. The pallets must be placed on supports with sufficient height to allow easy access with a forklift. The maximum distance between supports should not exceed 800 mm.

If the pallets are piled on top of each other, all the support bases must be aligned to prevent deformations.