

1. Description and range

Valchromat® Engineered Coloured Wood

Valchromat is a wood fibre panel coloured throughout engineered for high physical performance. The fibres are individually impregnated with organic dyes and chemically bonded by specifically developed resins that give the panels their special properties.

Colours / Thicknesses(mm)	8	12	16	19	30	Dimensions(mm)	
Light Grey SLG	•	•	•	•	•		3660x2440
Grey SCZ	•	•	•	•	•		3660x1220
Black SBL	•	•	•	•	•		3660x1830
Chocolate Brown SCB	•	•	•	•	•		2440x1830
Red SSC	•	•	•	•	•		2440x1220
Yellow SYW	•	•	•	•	•		2440x1830
Orange SOR	•	•	•	•	•		2440x1220
Violet SVI	•	•	•	•	•		2440x1830
Blue SRB	•	•	•	•	•		2440x1220
Green Mint SGM	•	•	•	•	•	2440x1830	

NOTE 1: Valchromat can present different shades due to wood have natural variations of tone.

NOTE 2: Valchromat is provided without finishing.

2. Applications *

Interior Design | Furniture | Walls | Flooring | Doors | Bathrooms | Exhibition Stands | Displayers | Restaurants - Bars - Hotels | Shopfitting | Decorative Panels | Acoustic Panels | And others

3. Certifications

Valbopan, SA meets the requirements of the standard NP EN ISO 9001:2008.

Valchromat has the certification of conformity CE 1328-CPD-0062.

Valbopan, SA holds a Certification of Chain of Responsibility (CoR), in accordance with the relevant standards, PEFC and FSC.

4. Properties

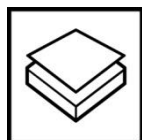
Nominal Thickness

Feature	Unit	8	12	16	19	30	Standard
Density (± 30)	Kg/m	850	820	800	790	740	EN 323
Swelling (24 hours)	%	12	10	8	8	7	EN 317
Internal Bond	N/mm ²	0,80	0,80	0,75	0,75	0,75	EN 319
Bending Strength	N/mm ²	42	40	38	38	36	EN 310
Modulus of Elasticity	N/mm ²	3400	3200	3100	3100	3000	EN 310
Swelling After Cyclic Test	%	19	16	15	15	15	EN 321
Internal Bond After Cyclic Test	N/mm ²	0,30	0,25	0,20	0,20	0,15	EN 321
Level of Formaldehyde	mg/ 100g dry board	≤ 8 (Class E1)					EN 120
Fire Reaction		F	≥ 12 a ≤ 30 (Class D-s2, d0)				EN 13501
Thickness Tolerance	mm	$\pm 0,2$			$\pm 0,3$		
Dimension Tolerance	mm/m	± 2 ; máximo ± 5					

Cyclic Tests, Hydrophobic Test Standard (EN 321)

	Temperature (°C)	Lenght (Hours)
In the Water	20 \pm 1	70 \pm 1
In the Freezer	-12 a -25	24 \pm 1
In the Oven	70 \pm 2	70 \pm 1

5. Advantages



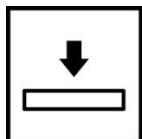
Coloured throughout

Colour remains, even after cut or machined. It does not require the use of paint. It does not require gluing an edge.



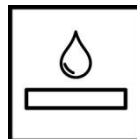
Non Toxic

Ecological organic dyes. Formaldehyde emissions are within the limits set by European standards.



Weight Resistant

It has a high bending resistance.



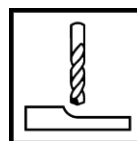
Moisture Resistant

It is resistant to moisture so it can be used in kitchens, bathrooms and floors. *



Tool Friendly

It is a low abrasion product considered tools-friendly.



Easy to Machine

It has a greater internal bond, which gives it a higher mechanical strength. 30% stronger than standard MDF.

* To get more information about the most appropriate finish, please contact us.