

MDF that's coloured right through

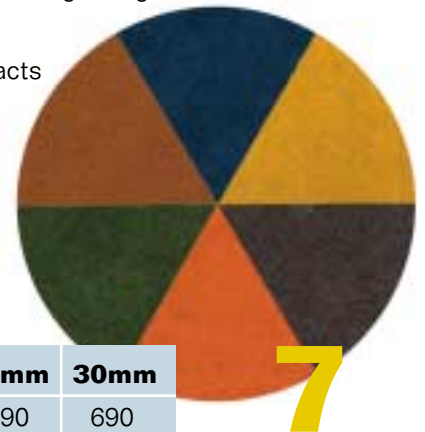
Valchromat is the name for an MDF which is coloured throughout. It is manufactured in a similar way excepting that after defibration of the woodfibres, a choice of one of six organic dyes is added.

Valchromat has been designed and developed to a high level. Apart from being moisture resistant, many of its physical and visual characteristics well outstrip those of ordinary fibreboards. The physical and chemical properties conform both to CEN and EMB norms for MDF.

At present Valchromat is available in a choice of six colours and seven thicknesses. The colour control of the product is based on, and conforms to, the data base listed by CIELAB. Light resistance tests conform to those laid down in BS1006. The board is moisture resistant, and with a formaldehyde content of less than 9mg/100g, is therefore Class 'A'

Valchromat has a high melamine content in its makeup, which acts as a lubricant during machining, and helps to ensure an edge which requires only a minimum amount of sanding to achieve a high standard of finish.

In use Valchromat can be designed into products as a single colour, mixed with its fellows, or as a complement to veneered MDF or solid timbers.



7 thicknesses

8mm
12mm
16mm
19mm
22mm
25mm
30mm

| | Unit | 8mm | 12mm | 16mm | 19mm | 22mm | 25mm | 30mm |
|---------------------------------------|-------------|------|------|------|------|------|------|------|
| Density | kg/mtr/cube | 800 | 790 | 760 | 750 | 730 | 690 | 690 |
| Thickness swell (24hrs) | % | 10 | 7 | 5 | 5 | 5 | 5 | 4 |
| Internal bond | N/mm/sq | 1.10 | 1.10 | 1.10 | 1.00 | 0.95 | 0.90 | 0.90 |
| Bending strength | N/mm/sq | 30 | 30 | 30 | 30 | 30 | 22 | 22 |
| Modulus of elasticity under bending | N/mm/sq | 2700 | 2500 | 2500 | 2500 | 2500 | 2300 | 2300 |
| Thickness swell 24h after cyclic test | % | 17 | 16 | 15 | 15 | 15 | 10 | 10 |
| Internal bond after cyclic test | N/mm/sq | 0.30 | 0.25 | 0.20 | 0.20 | 0.15 | 0.15 | 0.15 |

board size: 2500mm x 1250mm

light resistance

Test of resistance to light simulation
(norm BS1006-24h exposure in solarbox)

| | Reference | Result |
|------------|-----------|--------|
| Yellow | syw | 4 |
| Anthracite | sbl | 3 |
| Blue | srb | 3 |
| Brown | sbr | 5 |
| Green | sgr | 2 |
| Red | ssc | 3 |

For more information, contact your supplier:

