

## Wood veneered chipboards

The standard chipboard is UF glued and conforms to the European standard EN 312-4. These boards are not suitable for applications in moist conditions. The average density of the chipboard is about 650 kg/m<sup>3</sup>.

Chipboard is also available with a moisture resistant MUF-glue (EN 321) according to the European standard EN 312-5 (suitable for humid circumstances). Fire retardant chipboard is also possible.

Also possible to offer special sheet materials with a formaldehyde emission comparable to natural wood. Plant has the COC (Chain-Of-Custody) certificate, that allows us to veneer FSC chipboard (SGS-COC-0481).

All chipboards confirm to the E 1 standard. (Low formaldehyde emission) (EN 312-1, class 1).

			Standard	Damp resistant	Fire retardant
Specifications	Standard	Unit	P2 EN 312-2	P5 EN312-5	P2/B EN 312-2
<b>Density</b>	EN 323	kg/m <sup>3</sup>	620-750	640-720	670-750
<b>Bending strength</b>	EN 310	N/mm <sup>2</sup>	10-14	15-22	8,5-13
<b>Traction surface</b>	EN 319	N/mm <sup>2</sup>	1	1	1
<b>Modulus of elasticity</b>	EN 310	N/mm <sup>2</sup>	2000-2500	2500-3400	2000-2500
<b>Moisture content</b>	EN 322	%	6-10	6-10	6-10
<b>Formaldehyde emission</b>	EN 120		E1	E1	E1
<b>Thickness tolerance</b>	EN 324-1	mm	± 0.4	± 0.4	± 0.4
<b>Size deviation</b>	EN 324	mm	± 5	± 5	± 5
<b>Heat conductivity</b>	EN 12524	CW	0.12	0.12	0.12
<b>PCP Content</b>	EN 13986	ppm	< 5	< 5	< 5
<b>Fire classification</b>	EN 13501		D	D	B
<b>Vertical traction</b>	EN 319	N/mm <sup>2</sup>	0.30-0.60	0.55-0.75	0.35-0.55
<b>Swelling after 24 h</b>	EN 317	%	< 15	< 6	< 15