

Technical characteristics of melamine faced particleboards

Melamine faced chipboards (MFC) SWISS KRONO LLC produced according to the requirements TU U 20.2-31147999-003:2002 "Melamine faced particleboards" and EN 14323.

For melamine faced particleboards are used such materials:

- sanded particleboards (PB) type P2 class of formaldehyde release E1 produced in accordance with DSTU EN 312;

- decorative foils for lamination produced in accordance with TU U 21.1-32344290-017 «Decorative foils for lamination».

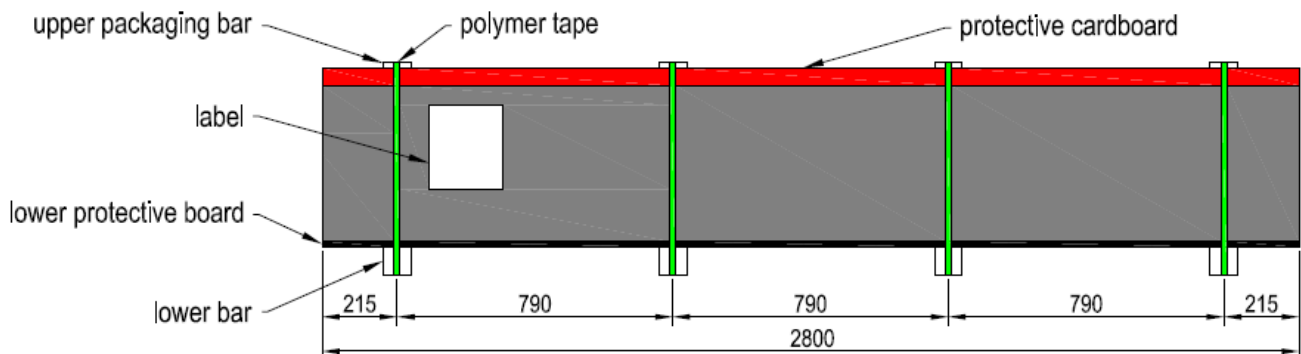
Dimension of boards - 2800*2070mm. Thickness of boards from 10 to 38mm.

Properties of melamine faced particleboards

Properties	Unit	Test method	Requirements				
			Thickness range (mm, nominal)				
			> 6-13	>13 - 20	> 20 - 25	> 25 - 32	> 32 - 40
Density	kg/m ³	DSTU EN 323	600-720				
Tolerance on mean density within a board	%	DSTU EN 323	± 10				
Bending strength	N/mm ²	DSTU EN 310	11	11	10,5	9,5	8,5
Bending modulus of elasticity	N/mm ²	DSTU EN 310	1800	1600	1500	1350	1200
Internal bond strength	N/mm ²	DSTU EN 319	0,40	0,35	0,30	0,25	0,20
Surface soundness	N/mm ²	DSTU EN 311	0,8	0,8	0,8	0,8	0,8
Hygienic characteristics			Class E1				
Formaldehyde emission	mg/m ³	EN 717-1	< 0,124				
Moisture content	%	DSTU EN 322	> 5 - < 13				
Thickness tolerance	mm	DSTU EN 324-1	+/- 0,3				
Length and width tolerance	mm	DSTU EN 324-1	+/-5				
Squareness tolerance	mm/m	DSTU EN 324-2	< 2				
Edge straightness tolerance	mm/m	DSTU EN 324-2	< 1,5				
Edge damage	mm	EN 14323	< 10				
Surface defects: spots, waste	mm ² /m ²	EN 14323	< 2				
Surface defects: in length	mm/m ²	EN 14323	< 20				

Packaging of melamine faced particleboards 2800x2070mm:

Upper packaging bar from PB or MFC (2070mm*120mm*from 16 to 18mm) – 4 or 5 pcs;
lower bar from PB or MFC (2070mm*80mm*from 10 to 38 mm) – 4 or 5 pcs;
lower protective PB or MFC (2800mm*2070 mm * to 10 mm to 25 mm) – 1 pc;
protective cardboard (2805mm*2070mm) – 1pc;
polymer packaging tape (16 mm * 1mm);
information label.

**Purpose of the product:**

the main material for furniture production, the basis of cabinet furniture; decorative material for interior decoration or for partitions in residential premises.

Storage:

MFC should be stored in closed rooms at a temperature from +5 °C to +40 °C and a relative humidity not exceeding 65% in a horizontal position, on dry and flat substrate, in such a way as not to expose them to pollution, moisture or mechanical damage.

Warranty period of storage:

1 year from the date of sale by the Manufacturer.