



milano and chroma technical data sheet

FIBREBOARD type: K MDF Nikpol - IOSMAT181:

Specifications				
No.	Technical characteristics	Unit	Thickness (mm) >15÷19	Requirement/Test method
1	Density	kg/m ³ ±7%	670	EN 323
2	Squareness tolerances	mm	±2	EN 622-1, EN 324-2
3	Edge straightness tolerance	mm/m	±1.5	EN 622-1, EN 324-2
4	Bending strength	N/mm ²	≥18	EN 622-5, EN 310
5	Modulus of elasticity in bending	N/mm ²	≥1600	EN 622-5, EN 310
6	Internal bond	N/mm ²	≥0.45	EN 622-5, EN 319
7	Swelling in thickness – 24 h	%	≤9	Client requirement, EN 317
8	Moisture content	%	4±11	EN 622-1, EN 322
9	Formaldehyde release	ppm	≤0.1	IOS-MAT-181, vers.AA-2183046-3, EN 16516
10	Formaldehyde release, Class CARB P2+EPA	ppm	≤0.08	IOS-MAT-0003, VERS.AA-10899-16, ASTM D6007-14

FIBERBOARD type: K MDF Melamine faced - IOSMAT181:

Specifications				
No.	Technical characteristics	Unit	Thickness (mm) >15÷20	Standard requirement/Test method
11	Tolerances on thickness relative to nominal value	mm	-0.6	EN 14322, EN 14323
12	Tolerances on length and width, commercially available size	mm	±5	EN 14322, EN 14323
12	Tolerances on length and width, pre-cut panels	mm	±2.5	EN 14322, EN 14323
13	Flatness	mm/m	≤2 (only for balanced surfaces) *	EN 14322, EN 14323
14	Edge damage, commercially available size	mm	≤10	EN 14322, EN 14323
14	Edge damage, pre-cut panels	mm	≤3	EN 14322, EN 14323
15	Surface defects, points	mm ² /m ²	≤2	EN 14322, EN 14323
16	Resistance to scratching	N	≥1.5	EN 14322, EN 14323
17	Resistance to staining	Rating	≥3	EN 14322, EN 14323
18	Resistance to cracking	Rating	≥3	EN 14322, EN 14323
19	Resistance to abrasion, Class 3A	Revolutions	≥150	EN 14322, EN 14323
19	Resistance to abrasion, Class 3B	Revolutions	≥250	EN 14322, EN 14323
20	Formaldehyde release	ppm	≤0.1	IOS-MAT-181, vers.AA-2183046-3, EN 16516
21	Formaldehyde release, Class CARB P2 + EPA	mg/m ² h	≤0.50	IOS-MAT 0207, vers.AA-2291517-4, EN ISO 12460-3

)*: Equilibrated surfaces corresponds for boards covered on both sides, by the same foil.

Note: For the physical and dimensional properties, refers to the technical sheet for fiberboard type K MDF Nikpol - IOSMAT181, that constitutes the support.