



chroma range technical data sheet

FIBREBOARD type: K MDF Nikpol - IOSMAT181:

Specifications				
Crt.	Characteristics	Unit	Thickness (mm)	Requirement Test method
			>15/19	
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/nm ²	≥ 18	EN 622-5, EN 310
5.	Modulus of elasticity in bending	N/nm ²	≥ 1600	EN 622-5, EN 310
6.	Internal bond	N/nm ²	≥ 0,45	EN 622-5, EN 319
7.	Swelling in thickness - 24h	%	≤ 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				
Crt.	Characteristics	Unit	Thickness (mm)	Standard Requirement Test method
			>15/20	
11.	Tolerances on thickness relative to nominal value	mm	-0,3 / + 0,5	EN 14322, EN 14323
12.	Tolerances on length and width - Commercially available size - Pre cut panels	mm	± 5 ± 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 - Pre cut panels	mm	≤ 10 ≤ 3	EN 14322, EN 14323
15.	Surface defects	mm ² /m ² mm/m ²	Points ≤ 2 Length ≤ 20	EN 14322, EN 14323
16.	Resistance to scratching	N	≥ 1,5	EN 14322, EN 14323
7.	Resistance to staining	Rating	≥ 3	EN 14322, EN 14323
8.	Resistance to cracking	Rating	≥ 3	EN 14322, EN 14323
9.	Resistance to abrasion Class 3A, Class 3B	Revolutions	≥ 150 ≥ 250	EN 14322, EN 14323
10	Formaldehyde release	ppm	≤ 0,1	IOS-MAT-181 vers.AA-2183046-3, EN 16516
11	Formaldehyde release Class CARB P 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.