Technical specifications

Standard MDF

Thickness range: ≥5mm – ≤40mm

Specifications YILDIZ MASTER MDF (Piata)			Equal to 5mm - less than 6mm	Equal to 6mm - less than 9mm	9mm - 12mm	Bigger than 12mm - equal to 19mm	Bigger than 19mm - equal to 30mm	Bigger than 30mm - bigger than 40mm
Bending strength	EN 310	N/mm²	>23	>23	>22	>20	>18	>17
Internal Bond	EN 319	N/mm²	>0,65	>0,65	>0,60	>0,55	>0,55	>0,50
Swelling - 24 hours	EN 317	%	<30	6mm <30 - 8mm <17	<15	<12	<10	<8
Modulus of Elasticity in bending	EN 310	N/mm²	>2700	>2700	>2500	>2200	>2100	>1900
Surface porosity	EN 382-1	mm	>250	>250	>250	>250	>250	>250
Average Density (sanded)	YILDIZ ENTEGRE	kg/m³	800 ± 7%	800 ± 7%	780 ± 7%	720 ± 7%	720 ± 7%	705 ± 7%
Thickness within the same board	EN 324-1	mm	± 0,2	± 0,2	± 0,2	± 0,2	± 0,3	± 0,3
Length Width	EN 324-1	mm/m; mm	± 2 - max ± 5	± 2 - max ± 5	± 2 - max ± 5	± 2 - max ± 5	± 2 - max ± 5	± 2 - max ± 5
Squarness tolerances	EN 324-2	mm/m	± 2.0	± 2.0	± 2.0	± 2.0	± 2.0	± 2.0
Edge straightness tolerance	EN 324-2	mm/m	± 1.5	± 1.5	± 1.5	± 1.5	± 1.5	± 1.5
Moisture	EN 322	%	4,0 ≤ H ≤ 11,0	4,0 ≤ H ≤ 11,0	4,0 ≤ H ≤ 11,0	4,0 ≤ H ≤ 11,0	4,0 ≤ H ≤ 11,0	4,0 ≤ H ≤ 11,0
Perforator E1	EN 12460-5	mg/100 qr	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8
Perforator E0,5	EN 16516	ppm	0,1	0,1	0,1	0,1	0,1	0,1
Perforator CARB/EPA	EN 12460-5	mg/100 qr	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5
Surface soundness	EN 311	N/mm²	≥ 1,00	≥ 1,00	≥ 1,00	≥ 1,00	≥ 1,00	≥ 1,00