

ZRK Industries Mardan

Mechanical Properties



MDF Parameters

Mechanical Properties	Test Method	Unit	2.2mm	3.2mm	6.5 mm	7.0 mm	9.0 mm	10 mm	15mm	16 mm	18 mm	24 mm
Thickness Tolerance	EN 324-1	mm	±0.2									
Thickness Tolerance	EN 324-1	mm	a) For Length ±3mm, b) For Width ±1mm ±2mm/m, max ±4mm									
Squareness	EN 324-2	mm	Less than 1.5mm/m									
Squareness Diagonal	EN 324-2	mm	Less than 3mm									
Average Density	EN 323	Kg/m³	780±10	760±10	740±10	740±10	715±10	715±10	710±10	710±10	710±10	710±10
Board Moisture	EN 322	%	6±2%	6±2%	6±2%	6±2%	6±2%	6±2%	6±2%	6±2%	6±2%	6±2%
Modulus of Rapture	EN 310	N/mm²	N/A	N/A	N/A	28	25	25	24	24	22	18
Modulus of Elasticity	EN 310	N/mm²	N/A	N/A	N/A	2700	2500	2400	2400	2200	1800	1800
Internal Bonding	EN 319	N/mm²	0.9±0.1	0.9±0.1	0.7±0.1	0.8±0.1	0.7±0.1	0.7±0.1	0.65±0.1	0.65±0.1	0.65±0.1	0.55±0.1
Surface Soundness	EN 319	N/mm²	N/A	N/A	N/A	More than 1.5						
Screw Holding F	EN 320	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1000	1000	900
Screw Holding E	EN 320	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	900	900	850
Thickness Swell 24hr	EN 317	%	35±2	35±2	17±2	17±2	15±2	15±2	13±1	13±1	13±1	11±1
Emission	EN 717-2	mg/m²/hour	Less than 10									

HDF Parameters

Mechanical Properties	Test Method	Unit	3.2 mm	6.5 mm	10 mm	15 mm	16 mm
Thickness Tolerance	EN 324-1	mm	±0.2				
Thickness Tolerance	EN 324-1	mm	a) For Length ±3mm, b) For Width ±1mm ±2mm/m, max ±4mm				
Squareness	EN 324-2	mm	Less than 1.5mm/m				
Squareness Diagonal	EN 324-2	mm	Less than 3mm				
Average Density	EN 323	Kg/m³	850±10	800±10	800±10	800±10	800±10
Board Moisture	EN 322	%	6±2%	6±2%	6±2%	6±2%	6±2%
Modulus of Rapture	EN 310	N/mm²	N/A	N/A	N/A	30	30
Modulus of Elasticity	EN 310	N/mm²	N/A	N/A	N/A	3500	3500
Internal Bonding	EN 319	N/mm²	1.2±0.1	1.2±0.1	1.2±0.1	1.2±0.1	1.2±0.1
Surface Soundness	EN 319	N/mm²	N/A	More than 1.5			
Screw Holding F	EN 320	N	N/A	N/A	N/A	N/A	1000
Screw Holding E	EN 320	N	N/A	N/A	N/A	N/A	900
Thickness Swell 24hr	EN 317	%	25±1	15±1	13±1	13±1	13±1
Emission	EN 717-2	mg/m²/hour	Less than 10				