

TECHNICAL DATA SHEET



EGGER Thin chipboard JP F0,3 (F****)

Recipe: 176

Application: Base particle board with reduced formaldehyde release according to Japanese standard F**** (JIS A5908) for internal door blanks.

Board type in line with EN 312-2

Mechanical properties Board mean values	Unit	Board thickness		
	[mm]	2.8 – 4.0	> 4.0 – 6.0	> 6.0 – 8.0
Density	[kg/m ³]	Plant specific		
Internal Bond strength EN 319	[N/mm ²]	≥ 0.6		
Bending strength EN 310	[N/mm ²]	≥ 15		
Modulus of elasticity EN 310	[N/mm ²]	≥ 2000		
Moisture content *1 EN 322	[%]	5-9		
Formaldehyde content *2	[class]	F****		

General Tolerances	Unit	Board thickness		
	[mm]	2.8 – 4.0	> 4.0 – 6.0	> 6.0 – 8.0
Length and width tolerance EN 324	[mm]	± 2.0		
Squareness EN 324	[mm/m]	± 1.5		
Edge straightness tolerance EN 324	[mm/m]	≤ 1.5		
Thickness tolerance EN 324 <small>sanded boards unsanded boards one-sided sanded boards</small>	[mm]	± 0.10 ± 0.20 ± 0.15		
Tolerance on the mean density within a board EN 323	[%]	± 10.0		

Building physical properties	Unit	Board thickness		
		2.8 – 4.0	> 4.0 – 6.0	> 6.0 – 8.0
Fire behaviour category				
in line with EN13986		E		
Water vapour diffusion resistance value				
Mean density 600 kg/m ³		μ moist	μ dry	
Mean density 900 kg/m ³		15	50	
		20	50	
Thermal conductivity EN 13986				
Mean density 600 kg/m ³	[W/(m*K)]	0.12		
Mean density 900 kg/m ³		0.18		
Air sound insulation EN 13986				
EN 13986		$R = 13 \times \lg(m_A) + 14$ (m _A = board surface weight kg/m ²)		
Sound absorption EN 13986				
Frequency range				
250 Hz to 500 Hz		0.10		
1000 Hz to 2000 Hz		0.25		
Biological durability EN 13986				
EN 335-3		Hazard category 1 (no earth contact , dry 20°/65% relative humidity)		
PCP content EN 13986				
EN 13986	[ppm]	< 5		

*1 On delivery

*2 Formaldehyde content:

EGGER Thin chipboard JP-F 0,3 (F****) achieves the formaldehyde class F**** according to the Japanese standard JIS A 5908. The limit value is 0,3mg/L according to Japanese test method JIS A1460 (Desiccator). Additionally EGGER Thin chipboard JP-F 0,3 (F****) reaches limit value 3,0 mg/100g over-dry board at moisture content of 6,5%, according to the European test method EN120 (Perforator)

Provisional note:

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