

# TECHNICAL DATA SHEET

## EURODEKOR® JP F 0,3 (F\*\*\*\*)

Recipe: 146

Application: Decorative particle board with reduced formaldehyde release based on  
Japanese standard JIS A 5908:2003 Type 13 U,  
Australian Standard AS/NZS 1859.1:2006 class MR for use in humid, interior conditions



### Board type based on JIS A 5908:2003 Type 13 U, AS/NZS 1859.1:2006 class MR,

Mechanical properties Board mean values	Unit	Value based on AS/NZS 1859.1:2006 class MR				Value based on JIS A 5908:2003 (type 13 U)
		Value*3				Value*3
Board thickness	[mm]	>8-12	>12-22	>22-33	>33	8-20
Density	[kg/m <sup>3</sup> ]	Plant specific				
Internal Bond strength	[N/mm <sup>2</sup> ]	0,35	0,30	0,25	0,20	≥ 0,20
Bending strength transverse	[N/mm <sup>2</sup> ]	13	12	10	9	≥ 13
Modulus of elasticity	[N/mm <sup>2</sup> ]	-				≥ 2500
Surface soundness	[N/mm <sup>2</sup> ]	0,9	0,9	0,9	0,9	-
Swelling in thickness 24h (acc. Type 13 M)	[%]	< 18	< 15	<12	<12	≤12
Screw holding strength (surface)	[N]	-				≥400
Moisture content *1	[%]	5-13				
Formaldehyde content *2	[class]	F**** (0,3 mg/L)				

General Tolerances	Unit	Board thickness
	[mm]	8-38
Length and width tolerance EN 324	[mm]	±5,0
Squareness EN 324	[mm/m]	≤2,0
Edge straightness tolerance EN 324	[mm/m]	≤1,5
Thickness tolerance EN 324 (Sanded boards)	[mm]	±0,3
Tolerance on the mean density within a board EN 323	[%]	±10

Building physical properties	Unit	Board thickness	
	[mm]	8-22	
<b>Fire behaviour category</b>			
Board thickness ≥ 9 mm and density ≥ 600 kg/m <sup>3</sup> in line with EN 13986; Board thickness < 9 mm in line with EN 13986		D-s2, d0 E	
<b>Water vapour diffusion resistance value</b>			
Mean density 600 kg/m <sup>3</sup> Mean density 900 kg/m <sup>3</sup>		μ moist 15 20	μ dry 50 50
<b>Thermal conductivity EN 13986</b>			
Mean density 600 kg/m <sup>3</sup> Mean density 900 kg/m <sup>3</sup>	W/(m*K)	0,12 0,18	
<b>Air sound insulation EN 13986</b>			
EN 13986		R = 13 x lg(m <sub>A</sub> ) + 14 (m <sub>A</sub> = board surface weight kg/m <sup>2</sup> )	
<b>Sound absorption EN 13986</b>			
Frequency range 250 Hz to 500 Hz 1000 Hz to 2000 Hz		0,10 0,25	
<b>Biological durability EN 13986</b>			
EN 335-3		Hazard category 1 (no earth contact , dry 20°/65% relative humidity)	
<b>PCP content EN 13986</b>			
EN 13986	[ppm]	< 5	

\*1 On delivery

\*2 **Formaldehyde content:**  
EGGER particleboard EUROSPAN® JP F 0,3 (F\*\*\*\*) achieves the formaldehyde class F\*\*\*\* according to the Japanese standard JIS A 5908:2003. The limit value is 0,3 mg/L according to Japanese test method JIS A 1460 (Desiccator) and according to Australia standard AS/NZS 1859.1/Amdt 1/2006-02-03 table 1 (Desiccator test method). Additionally EGGER particleboard EUROSPAN® JP F 0,3 (F\*\*\*\*) reaches limit value 3,0 mg/100 over-dry board at moisture content of 6,5 %, according to the European test Method EN 120 (Perforator).

\*3 AS/NZS 1859.1:2006: Figures mean average values from 10 test peaces  
JIS A 5908:2003: Figures mean single values

Japanese Ministry Approval is available:  
Approved Number MFN 0236 and MFN 2470 for EURODEKOR® JP F 0,3 (F\*\*\*\*)

**Provisional note:**

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