

# TECHNICAL DATA SHEET

## EURODEKOR® JP F 0,3 (F\*\*\*\*)

Application: Decorative particle board with reduced formaldehyde release based on

Japanese standard JIS A 5908:2003 Type 13 M,

Australian Standard AS/NZS 1859.1:2004 class MR for use in humid, interior conditions  
 and CNS 2215 O1012:2006 class DO



Plant: Unterradlberg/Hexham

**Note:** The mechanical properties are mean values from 10 tests.

**Board type based on JIS A 5908:2003 Type 13 M, AS/NZS 1859.1:2004 class MR,  
 CNS 2215 O 1210:2006 class DO**

Mechanical properties Board mean values	Unit	Value based on AS/NZS 1859.1:2004 class MR		Value based on JIS A 5908:2003 (type 13 M)	Value based on CNS 2215 O 1210:2006 class DO
		Value*3		Value*3	Value*3
<b>Board thickness</b>	[mm]	8-12	12-22	8-20	8-20
<b>Density</b>	[kg/m <sup>3</sup> ]	Plant specific			
<b>Internal Bond strength</b>	[N/mm <sup>2</sup> ]	0,35	0,30	≥ 0,20	≥ 0,2
<b>Bending strength transverse</b>	[N/mm <sup>2</sup> ]	12	13	≥ 13	≥ 13
<b>Modulus of elasticity</b>	[N/mm <sup>2</sup> ]	-		≥ 2500	≥ 2500
<b>Swelling in thickness 24h</b>	[%]	< 18	< 15	< 12	< 12
<b>Screw holding strength (surface)</b>	[N]	-		> 400	> 400
<b>Moisture content *1</b>	[%]	5-13			
<b>Formaldehyde content *2</b>	[class]	F**** (0,3 mg/L)			

General Tolerances	Unit	Board thickness
	[mm]	8-22
<b>Length and width tolerance EN 324</b>	[mm]	±5,0
<b>Squareness EN 324</b>	[mm/m]	≤2,0
<b>Edge straightness tolerance EN 324</b>	[mm/m]	≤1,5
<b>Thickness tolerance EN 324 (Sanded boards)</b>	[mm]	±0,3
<b>Tolerance on the mean density within a board EN 323</b>	[%]	±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>			
		μ moist	μ dry
Mean density 600 kg/m <sup>3</sup>		15	50
Mean density 900 kg/m <sup>3</sup>		20	50
<b>Thermal conductivity EN 13986</b>			
Mean density 600 kg/m <sup>3</sup>	W/(m*K)	0,12	
Mean density 900 kg/m <sup>3</sup>		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		0,10	
250 Hz to 500 Hz		0,25	
1000 Hz to 2000 Hz			
<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 Board mean values from 10 tests

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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