

TECHNICAL DATA SHEET

EUROSPANJP F0.3 (F****) MR

Recipe: 148

Application: Particle board with reduced formaldehyde release based on

Japanese standard JIS A 5908:2003 Type 13 M

and CNS 2215 O1012:2006 class DO 13 M F1



Mechanical properties Board mean values	Unit	Board thickness	
	[mm]	8 - 13	13 - 25
Density	[kg/m ³]	Plant specific	
Internal Bond strength EN 319	[N/mm ²]	0.40	
Bending strength EN 310	[N/mm ²]	≥ 13	
Modulus of elasticity EN 310	[N/mm ²]	≥ 2500	
Surface soundness EN 311	[N/mm ²]	≥ 1,0	
Swelling in thickness 24h EN 317	[%]	< 12	≤ 7
Swelling in thickness MEL 24h EN 317	[%]	≤ 5	
Swelling in thickness batch	[%]	-	≤ 6
Screw holding strength (surface) CNS 2215	[N]	> 400	> 550
Moisture content *1 EN 322	[%]	5-7	
Formaldehyde content *2	[class]	F**** (0,3 mg/L)	

General Tolerances	Unit	Board thickness
	[mm]	8-25
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]	8-25	
Fire behaviour category			
Board thickness ≥ 9 mm and density ≥ 600 kg/m ³ in line with EN13986		D-s2, d0	
Board thickness < 9 mm in line with EN13986		E	
Water vapour diffusion resistance value			
		μ moist	μ dry
Mean density 600 kg/m ³		15	50
Mean density 900 kg/m ³		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 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). 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).

Provisional note:

This technical data sheet has been carefully drawn up to the best of our knowledge. We accept no liability for any mistakes, errors in standards or printing errors. In addition, technical modifications can result from the continuous further development, as well as from changes in standards and documents originating from statutory bodies. The contents of this technical leaflet should therefore not be considered as instructions for use or as legally binding.