

TECHNICAL DATA SHEET

DBHEX101 – P2



1. Tradenames

EGGER P2 EUROSPAN®

2. Product Type

EGGER P2 EUROSPAN® Conti particleboards are intended for interior fittings (including furniture) for use in dry conditions (relative humidity of surrounding area only exceeding 65% for a few weeks per year). The component must allow quick release of any trapped moisture. Boards of this type are only suitable for use in biological hazard class 1 of EN 335-3.

2.1 Construction

EGGER P2 EUROSPAN® Conti particleboard is manufactured to **EN 312-2:2003** and is FSC certified through the HolzCert Austria Chain of Custody Certificate number **HCA-COC-100017**

3. Technical Specifications

Testing and conditioned in accordance with EN 312-2:2003

3.1 General properties and tolerances (ex factory)

	Method	EUROSPAN®
Thickness within and between boards	EN 324-1	+/- 0.3 mm
Length and width	EN 324-1	+/- 2 mm
Edge straightness	EN 324-2	1.5 mm per m
Squareness	EN 324-2	1 mm per m
Moisture content	EN 323	+/- 10%
Formaldehyde (perforator value)	EN 120	E1 (<8mg/100g)

3.2 Mechanical properties (>6 to 13 mm P2)

Property	Test Method	Unit	Mean	L5% or U5%	Requirement
Bending Strength	EN310	N/mm ²	17.1	15.6	>13
Modulus of elasticity	EN310	N/mm ²	2570	2350	>1800
Density	EN323	kg/m ³	672		
Internal bond	EN319	N/mm ²	0.60	0.49	>0.4
Surface soundness	EN311	N/mm ²	1.11	0.99	>0.8

3.3 Mechanical properties (>13 to 20 mm P2)

Property	Test Method	Unit	Mean	L5% or U5%	Requirement
Bending Strength	EN310	N/mm ²	15.1	13.5	>13
Modulus of elasticity	EN310	N/mm ²	2390	2190	>1600
Density	EN323	kg/m ³	642		
Internal bond	EN319	N/mm ²	0.47	0.39	>0.35
Surface soundness	EN311	N/mm ²	1.16	1.04	>0.8

3.4 Mechanical properties (>20 to 25 mm P2)

Property	Test Method	Unit	Mean	L5% or U5%	Requirement
Bending Strength	EN310	N/mm ²	13.2	11.6	>11.5
Modulus of elasticity	EN310	N/mm ²	2250	2020	>1500
Density	EN323	kg/m ³	607		
Internal bond	EN319	N/mm ²	0.39	0.33	>0.3
Surface soundness	EN311	N/mm ²	1.14	0.97	>0.8

3.5 Mechanical properties (>25 to 32 mm P2)

Property	Test Method	Unit	Mean	L5% or U5%	Requirement
Bending Strength	EN310	N/mm ²	13.4	11.0	>10
Modulus of elasticity	EN310	N/mm ²	2290	2010	>1350
Density	EN323	kg/m ³	599		
Internal bond	EN319	N/mm ²	0.37	0.28	>0.25
Surface soundness	EN311	N/mm ²	1.22	1.06	>0.8

3.6 Mechanical properties (>32 to 40 mm P2)

Property	Test Method	Unit	Mean	L5% or U5%	Requirement
Bending Strength	EN310	N/mm ²	9.6	8.8	>8.5
Modulus of elasticity	EN310	N/mm ²	1770	1650	>1200
Density	EN323	kg/m ³	547		
Internal bond	EN319	N/mm ²	0.29	0.23	>0.20
Surface soundness	EN311	N/mm ²	1.09	0.99	>0.8

Percentile values shown are based on mean values for unconditioned individual boards tested in accordance with EN312-2:2003 and calculated in accordance with EN 326-1. All results verified by WKI Factory Production Control Audit 27.11.09

3.7 General properties and tolerances (ex factory)

	Test Method	Unit	Board Thickness			
			>13 - 20	>20 - 25	>25 - 32	>32 - 40
Fire Behaviour Category	EN312		D-s2, d0 Board thickness > 9 mm in line with EN13 986 and density >600 kg/m ³			
Water Vapour Diffusion Resistance Values			μ moist		μ dry	
Mean density 600 kg/m ³			15		50	
Mean density 900 kg/m ³			20		50	
Thermal Conductivity	EN12524	W/m-k				
Mean density 600 kg/m ³			0.12			
Mean density 900 kg/m ³			0.18			
Air Sounds Insulation	EN13986		R = 12 x lg (mA) = 14 mA = Board surface			
Weight kg/m ²						
Sound Absorbtion	EN13986					
Frequency range – 250 Hz bis 500 Hz			0.10			
Frequency range – 1000 Hz bis 2000 Hz			0.25			
Biological Durability	EN13986 /EN335-3		Hazard Category 1 (No earth contact; dry 20°C / 65% relative humidity)			
PCP Content	EN13986	ppm	< 5			
Thickness Tolerance	EN324-1	mm	+/- 0.3			
Length and Width Tolerance	EN324-1	mm	+/- 2.0			
Edge straightness	EN324-2	mm	1.5 mm per m			
Squareness	EN324-2	mm	≤ 1.00 mm per m			
Moisture content	EN322	%	5 -13			
Mean density within a board	EN323	%	+/- 10			
Formaldehyde (perforator value)	EN120	Mg/100g	Class E1 (<8 mg/100g)			

4.0 Labelling for EUROSPAN®

E EGGER CC EUROSPAN® E1 P2 18 mm CE 08 EN 13986 001 270803312222 13:45

E EGGER:	Name of the Manufacturing
CC:	FSC Chain of Custody identification
EUROSPAN®:	Trade Name of the Producer
E1:	Formaldehyde Emission class
P2:	Product type
18mm:	Thickness
CE:	CE mark symbol
08:	Last two digits of the manufacturing year
EN 13986:	Number of EC certificate of conformity
001:	SAP Recipe number
270803312222	Twelve digit code for traceability
13:45	Time board was produced