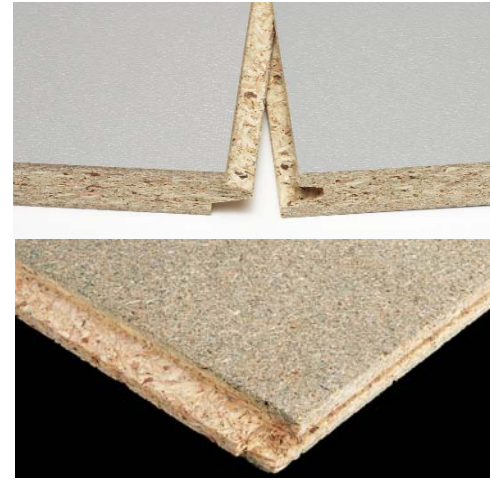


TECHNICAL DATA SHEET

EGGER(UK) Ltd

EGGER | EUROSPAN® E1 P5 CE



1. Trade names

EGGER WEYROC E1 P5 (V313)
EGGER WEYROC E1 P5 PROTECT
EGGER WEYROC E1 P5 PCX (Peel Clean Extra)
EGGER HDX E1 P5
EGGER HDX E1 P5 PROTECT / Class O/ Reflect

Date: 15/12/05

2. Product Type

Load bearing flooring grade chipboard for use in humid conditions (characterised by a relative humidity of the surrounding area only exceeding 85% for a few weeks per year).

WEYROC PROTECT has the added benefit of a grey Kraft paper impregnated with thermosetting resins bonded to both faces.

WEYROC PCX has a heavy-duty polythene film laminated on the top surface.

EGGER HDX P5 (PROTECT /Class O/Reflect) is specifically for use as mezzanine and industrial flooring. The Class 'O' finish is a silver fire resistant foil bonded to the lower face to give Class 'O' fire classification in regard to BS EN 476: Part 7 1997 and BS EN 476: Part 6 1989. Reflect is a white impregnated paper bonded to the bottom face to enhance mezzanine ceiling lighting.

Boards of this type are only suitable for use in biological hazard classes 1 & 2 of EN 335-3:1996.

2.1 Construction

EGGER P5 chipboard is manufactured to **EN 312-5:2003** under an **ISO9001:2000** Quality Management System OQS Certificate Number 184/0.

The Wilhelm-Klauditz-Institut (WKI) of Germany has granted EGGER a Certificate of Compliance **0765-CPD-366** with the **CE** marking requirements of the Construction Products Directive.

EGGER P5 chipboard is FSC certified and carries the BM Trada Chain of Custody Certificate number **TT-COC-1519**.

WEYROC PROTECT carries BBA approval under Certificate No. 00/3711 for use as a floor across joists during house construction where the floor is likely to be exposed to the elements prior to the installation of the roof.

3. Technical Specifications

Testing and conditioned in accordance with EN 312:2003

3.1 Mechanical properties (>13 to 20mm P5)

Property	Test Method	Unit	Mean	L _{5%} or U _{5%}	Requirement
Bending strength	EN 310	N/mm ²	20.0	17.0	16.0
Modulus of elasticity	EN 310	N/mm ²	3140	2575	2400
Density	EN 323	kg/m ³	695		
Internal bond	EN 319	N/mm ²	0.87	0.75	0.45
Thickness swelling	EN 317	%	4.2	4.8	10.0
Internal bond after cyclic	EN 321	N/mm ²	0.49	0.32	0.22
Cyclic thickness swelling	EN 321	%	8.2	11.4	12.0
Moisture content	EN322	%		5-13	
Formaldehyde* (perforator value)	EN 120	mg/100g		Class E1 (<8mg/100g)	

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3.2 Mechanical properties (>20 to 25mm P5)

Property	Test Method	Unit	Mean	L _{5%} or U _{5%}	Requirement
Bending strength	EN 310	N/mm ²	17.8	15.4	14.0
Modulus of elasticity	EN 310	N/mm ²	2770	2360	2150
Density	EN 323	kg/m ³	665		
Internal bond	EN 319	N/mm ²	0.77	0.67	0.40
Thickness swelling	EN 317	%	3.6	3.8	10.0
Internal bond after cyclic	EN 321	N/mm ²	0.46	0.31	0.20
Cyclic thickness swelling	EN 321	%	8.1	10.5	11.0
Moisture content	EN322	%	5-13		
Formaldehyde* (perforator value)	EN 120	mg/100g	Class E1 (<8mg/100g)		

3.3 Mechanical properties (>32 to 40mm P5)

Property	Test Method	Unit	Mean	L _{5%} or U _{5%}	Requirement
Bending strength	EN 310	N/mm ²	15.1	11.8	10.0
Modulus of elasticity	EN 310	N/mm ²	2470	1930	1700
Density	EN 323	kg/m ³	635		
Internal bond	EN 319	N/mm ²	0.60	0.43	0.30
Thickness swelling	EN 317	%	3.3	3.8	9.0
Internal bond after cyclic	EN 321	N/mm ²	0.32	0.20	0.15
Cyclic thickness swelling	EN 321	%	6.5	8.5	9.0
Moisture content	EN322	%	5-13		
Formaldehyde* (perforator value)	EN 120	mg/100g	Class E1 (<8mg/100g)		

Percentile values shown are based on mean values for conditioned individual boards tested in accordance with EN 312-5:2003 and calculated in accordance with EN 326-1 all results verified by WKI Quality Assessment **K 1100/06** dated **09.05.2006**

3.4 General properties and tolerances (ex factory)

	Test Method	Unit	Board Thicknesses			
			>13 - 20	>20-25	>25-32	>32-40
Fire Behaviour Category	EN 312		D-s2, d0 (Board thickness > 9mm in line with EN 13 986 and density > 600 kg/m ³)			
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	EN12524	W/m-k				
Mean density 600 kg/m ³			0.12			
Mean density 900 kg/m ³			0.18			
Air Sound Insulation	EN13986		R = 12 x lg (mA) = 14 mA = Board surface			
Weight kg/m ²						
Sound Absorbtion	EN 13986					
Frequency range - 250 Hz bis 500 Hz			0.10			
Frequency range - 1000 Hz bis 2000 Hz			0.25			
Biological Durability	EN 13986/EN 335-3		Hazard Category 1 (No earth contact; dry 20°C/65% relative humidity)			
PCP Content	EN13986	ppm	<5			
Thickness Tolerance	EN 324-1	mm	+/- 0.3			
Length and width tolerance	EN 324-1	mm	+/-2.0			
Edge straightness	EN 324-2	mm	1.5mm per m			
Squareness	EN 324-2	mm	≤ 1.00mm per m			
Moisture content	EN 322	%	5 - 13			
Mean density within a board	EN 323	%	+/- 10			
Formaldehyde (perforator value)	EN 120	mg/100g	Class E1 (<8mg/100g)			

4.0 Labelling for T&G Panels

WEYROC FSC E1 P5 18mm CE	0765-CPD-366 03 EN 13986 WWW.EGGER.CO.UK
	THIS SIDE DOWN 14:55 15.12.06

WEYROC:	Manufacturers Tradename
CC:	FSC Chain of Custody identification
E1:	Formaldehyde Emission class
P5:	Product type
18 mm:	Thickness
CE :	CE mark symbol
0765-CPD-366:	Identification of the notified body (WKI)
06:	Two digits of the year when the marking was affixed
WWW.EGGER.CO.UK	Website for further product information
14:55 15.12.06	Date and time of profiling

4.1 Labelling for EUROSPAN® E1 P5

E EGGER CC EUROSPAN E1 P5 18mm **CE 0765-CPD-366 03 EN 13986 214**

080307011122 13:45

E EGGER:	Manufacturer
CC:	FSC Chain of Custody identification
EUROSPAN®:	Tradename
E1:	Formaldehyde Emission class
P5:	Product type
18 mm:	Thickness
CE :	CE mark symbol
0765-CPD-366:	Identification of the notified body (WKI)
03:	Two digits of the year when the marking was affixed
EN 13986:	Number of EC certificate of conformity
214:	SAP Recipe number*
080307011122	Twelve digit code for traceability
13:45	Time board was produced

*Note P5 PROTECT is manufactured to SAP Recipe 225 which is exactly the same as Recipe 214 except for having no green dye in the surface of the board.