



TECHNICAL DATA SHEET

EGGER(UK) Ltd

EGGER | EUROSPAN® E1 P6 CE



1. Tradenames

EGGER HDC E1 P6
EGGER HDX E1 P6
EGGER HDX E1 P6 Protect / Reflect / Class 'O'

Date: 15/12/05

2. Product Type

Heavy duty load bearing flooring grade chipboard for use in dry conditions. As defined by a relative humidity of surrounding area only exceeding 65% for a few weeks per year.

EGGER HDC P6 is specifically for use as access flooring.

EGGER HDX P6 is specifically for use as mezzanine and industrial flooring,

EGGER HDX P6 Protect has the added benefit of a grey Kraft paper impregnated with thermosetting resins bonded to the top surface.

Reflect has the additional benefit of a white impregnated paper bonded to the bottom face.

EGGER HDX P6 Class O has the benefit of a silver fire resistant foil bonded to the lower face to give Class O fire classification to BS EN 476: Part 7 1997 and BS EN 476: Part 6 1989 and can also be supplied with Protect on the top surface.

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

2.1 Construction

EGGER P6 chipboard is manufactured to **EN 312-6:2003** 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-367** with the **CE** marking requirements of the Construction Products Directive.

EGGER P6 chipboard is **FSC** certified and carries the BM Trada Chain of Custody Certificate number **TT-COC-1519**.

3. Technical Specifications

Testing and conditioned in accordance with EN 312:2003

3.1 Mechanical properties (>25 to 32 mm P6)

Property	Test Method	Unit	Mean	L _{5%} or U _{5%}	Requirement
Bending strength	EN 310	N/mm ²	18.5	16.3	15.0
Modulus of elasticity	EN 310	N/mm ²	3070	2490	2400
Density	EN 323	kg/m ³	705		
Internal bond	EN 319	N/mm ²	0.75	0.59	0.35
Thickness swelling	EN 317	%	4.2	5.6	14.0
Moisture content	EN322	%	5-13		
Formaldehyde* (perforator value)	EN 120	mg/100g	Class E1 (<8mg/100g)		

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3.2 Mechanical properties (>32 to 40 mm P6)

Property	Test Method	Unit	Mean	L _{5%} or U _{5%}	Requirement
Bending strength	EN 310	N/mm ²	18.2	15.7	14.0
Modulus of elasticity	EN 310	N/mm ²	2920	2460	2200
Density	EN 323	kg/m ³	690		
Internal bond	EN 319	N/mm ²	0.66	0.56	0.30
Thickness swelling	EN 317	%	4.7	6.2	13.0
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 312-6:2003 and calculated in accordance with EN 326-1 all results verified by WKI Quality Assessment **K 1101/06** dated **09.05.2006**

3.3 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 EUROSPAN® E1 P6

E EGGER CC EUROSPAN E1 P6 30mm **CE 0765-CPD-367 06 EN 13986 136**

080307011122 13:45

E EGGER:	Manufacturer
CC:	FSC Chain of Custody identification
EUROSPAN®:	Tradename
E1:	Formaldehyde Emission class
P6:	Product type
30 mm:	Thickness
CE :	CE mark symbol
0765-CPD-367:	Identification of the notified body (WKI)
06:	Two digits of the year when the marking was affixed
EN 13986:	Number of EC certificate of conformity
136:	SAP Recipe number
080307011122	Twelve digit code for traceability
13:45	Time board was produced