

Quality Management ISO 9001

Coding: DBHEX105  
Revision: 15

# TECHNICAL DATA SHEET

DBHEX105 – P5



## 1. Tradenames

EGGER P5  
EGGER P5 Protect  
EGGER P5 PCX (Peel Clean Xtra)  
EGGER HDX P5  
EGGER HDX P5 Protect / Class 'O' / Reflect

## 2. Product Type

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

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

EGGER 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.

### 2.1 Construction

EGGER P5 particleboard is manufactured to **EN 312-5:2003** under an **ISO9001:2008** 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 through the HolzCert Austria Chain of Custody Certificate **HCA-COC-100017**.

EGGER 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.

EGGER Peel Clean Xtra carries **BBA** approval under Certificate **No. 08/4585** for use in joisted floor construction which may be left exposed to the elements for up to 42 days during the building process.

### 3. Technical Specifications

Testing and conditioned in accordance with EN 312:2003

#### 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 322	5 to 8%
Mean density within a board	EN 323	+/- 10%
Formaldehyde (perforator value)	EN 120	E1 (<8mg/100g)

#### 3.2 Mechanical properties (13 to 20 mm P5)

Property	Test Method	Unit	Mean	L5% or U5%	Requirement
<b>Bending Strength</b>	EN310	N/mm <sup>2</sup>	18.8	17.4	>16.0
<b>Modulus of elasticity</b>	EN310	N/mm <sup>2</sup>	2860	2620	>2400
<b>Density</b>	EN323	kg/m <sup>3</sup>	649		
<b>Internal bond</b>	EN319	N/mm <sup>2</sup>	0.66	0.57	>0.45
<b>Thickness swelling</b>	EN317	%	5.9	7.0	<10.0
<b>Internal bond after cyclic</b>	EN321	N/mm <sup>2</sup>	0.35	0.27	>0.22
<b>Cyclic thickness swelling</b>	EN321	%	9.8	11.9	<12.0

#### 3.3 Mechanical properties (>20 to 25 mm P5)

Property	Test Method	Unit	Mean	L5% or U5%	Requirement
<b>Bending Strength</b>	EN310	N/mm <sup>2</sup>	16.4	14.6	>14.0
<b>Modulus of elasticity</b>	EN310	N/mm <sup>2</sup>	2610	2370	>2150
<b>Density</b>	EN323	kg/m <sup>3</sup>	620		
<b>Internal bond</b>	EN319	N/mm <sup>2</sup>	0.58	0.51	>0.40
<b>Thickness swelling</b>	EN317	%	6.3	7.6	<10.0
<b>Internal bond after cyclic</b>	EN321	N/mm <sup>2</sup>	0.30	0.24	>0.20
<b>Cyclic thickness swelling</b>	EN321	%	9.7	10.9	<11.0

### 3.4 Mechanical properties (>32 to 40 mm P5)

Property	Test Method	Unit	Mean	L5% or U5%	Requirement
<b>Bending Strength</b>	EN310	N/mm <sup>2</sup>	14.2	12.3	>10.0
<b>Modulus of elasticity</b>	EN310	N/mm <sup>2</sup>	2330	2130	>1700
<b>Density</b>	EN323	kg/m <sup>3</sup>	592		
<b>Internal bond</b>	EN319	N/mm <sup>2</sup>	0.43	0.39	>0.30
<b>Thickness swelling</b>	EN317	%	6.2	8.2	<9.0
<b>Internal bond after cyclic</b>	EN321	N/mm <sup>2</sup>	0.22	0.16	>0.15
<b>Cyclic thickness swelling</b>	EN321	%	8.5	8.9	<9.0

Percentile values shown are based on mean values for unconditioned individual boards tested in accordance with EN 312-5:2003 and calculated in accordance with EN 326-1 all results verified by WKI Factory Production Control Audit 27.11.09

## 4.0 Labelling for T&G Panels

**EGGER FSC E1 P5 18mm CE0765-CPD-366 09 EN 13986 WWW.EGGER.CO.UK THIS SIDE DOWN 14:55 16.06.09**

EGGER:	Manufacturers Tradename
FSC:	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)
09:	Two digits of the year when the marking was affixed
<a href="http://WWW.EGGER.CO.UK">WWW.EGGER.CO.UK</a>	Website for further product information
14:55 16.06.09	Time and Date of profiling

## 5.0 Labelling for EUROSPAN®

**E EGGER CC EUROSPAN® E1 P5 18mm CE 0765-CPD-366 09 EN 13986 225 270906161122 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)
09:	Two digits for the year when the marking was affixed
EN 13986:	Number of EC certificate of conformity
225:	SAP Recipe number
270906161122	Twelve digit code for traceability
13:45	Time board was produced