



Declaration of Performance

According to the regulation (EU) Nr. 305 of the European Parliaments and of the Council of 09. March 2011

DOP No.: DOP218

1. Type:

Thin particle board Type: P5

2. Recipe no.:

Rec. 218

3. Intended use:

Load-bearing boards for use in humid conditions

4. Trade name

EGGER thin particle board E1 P5

5. Manufacturer:

FRITZ EGGER GmbH & Co. OG
Holzwerkstoffe
Fabriksweg 11a
6300 Wörgl
Austria

6. System of assessment and verification acc. to Annex V of regulation (EU) No 305/2011:

System 2+

7. Construction product covered by :

EN 13986

8. Notified body of the EU:

0765
Wilhelm-Klauditz-Institut (WKI)
Bienroder Weg 54 e
38108 Braunschweig
Germany

performed the initial inspection of the manufacturing plant and of the factory production control and the continuous surveillance, assessment and evaluation of factory production control acc. to EN 13986 System 2+ and issued the certificate of conformity of the factory production control:

0765-CPD-423 Manufacturer: Wörgl

9. Declared Performance:

Mechanical properties	Unit	Board thickness			
	[mm]	2,8 - 4	4 - 6	6 - 8	
Density	[kg/m ³]	Plant specific			
Internal Bond strength EN 319	[N/mm ²]	0.65	0.60	0.55	
Bending strength EN 310	[N/mm ²]	20.0	20.0	19.0	
Modulus of elasticity EN 310	[N/mm ²]	2,550	2,550	2,550	
Moisture content *1 EN 322	[%]	5-9			
Formaldehyde content *2 EN 120	[mg/100g]	E1			
General Tolerances					
Length and width tolerance EN 324	[mm]	± 2.0			
Squareness EN 324	[mm/m]	≤ 1.5			
Edge straightness tolerance EN 324	[mm/m]	≤ 1.5			
Thickness tolerance EN 324 (sanded boards)	[mm]	± 0.10			
(unsanded boards)	[mm]	± 0.20			
(one-sided sanded boards)	[mm]	± 0.15			
Tolerance on the mean density within a board EN 323	[%]	± 10			
Building physical properties					
Fire behaviour category					
Board thickness > 9 mm and density ≥ 600 kg/m ³ in line with EN13986		E			
Water vapour diffusion resistance value EN13986					
		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			
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 20o/65% relative humidity)			
Air sound insulation EN 13986					
		R = 13 x lg(mA) + 14 (mA = board surface weight kg/m ²)			
PCP content EN 13986					
	[ppm]	<5			

*1 On delivery

*2 Formaldehyde content:

According to the "Regulation on the Prohibition of Chemicals (ChemVerbotsV)" annex to § 1, clause 3 from 14th October, 1993 in connection with the publication of the BGA in the federal health sheet 10/91 (s. 487-489) about "testing method for particleboard", uncoated particleboard must not exceed a perforator limit value EN 120 (photometrical - EN 120) of 8 mg HCHO/100g over-dry board at moisture content of 6.5 %. The flexible half-years mean value is max. 6,5 mg HCHO/100g over-dry board.

Signed for and on behalf of the manufacturer by:

Manfred Riepertinger
PM Environment & Core Products

St. Johann in Tirol 03.07.2013

Provisional note:

This document 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.