



## Declaration of Performance

According to the regulation (EU) No 305 of the European Parliaments and of the Council from 9<sup>th</sup> of March 2011

DoP Nr.: DoP004

### Homogen P4

<b>1. Type:</b>	Particleboard Type P4
<b>2. Trade Name:</b>	FunderMax Homogen Particleboard P4
<b>3. Intended use:</b>	Load-bearing boards for use in dry conditions
<b>4. Manufacturer</b>	FunderMax GmbH Bickfordstraße 6 A-7201 Neudörfel Austria
<b>5. Construction product covered by:</b>	EN 13986:2004+A1:2015
<b>6. System of assessment and verification acc. to Annex V of the regulation (EU) No 305/2011:</b>	System 2+
<b>7. Notified body in the European Union:</b>	1359 Holzforschung Austria Franz Grill - Straße 7 A-1030 Wien Austria  performed the certification according to EN 13986:2004+A1:2015 and issued the certificate of conformity of the factory production control <b>1359-CPR-0682</b>

for  
people  
who  
create

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DVR 0385344  
Firmenbuchnummer: 90081y  
UID-Nr.: ATU 26130102  
Landesgericht Klagenfurt

RBI Raiffeisen Bank International AG  
IBAN Nr. AT66 3100 0001 0033 2353  
BIC: RZBAATWW

**8. Declared Performance:**

Mechanical properties	Unit	Board thickness					
	[mm]	06 - 10	10 - 13	13 - 20	20 - 25	25 - 32	32 - 40
Internal Bond strength EN 319	[N/mm <sup>2</sup> ]	0.40	0.35	0.35	0.30	0.25	0.20
Modulus of elasticity EN 310	[N/mm <sup>2</sup> ]	2,300	2,300	2,300	2,050	1,850	1,500
Bending strength EN 310	[N/mm <sup>2</sup> ]	16.0	16.0	15.0	13.0	11.0	9.0
Thickness swelling, 24h EN 317	[%]	19	16	15	15	15	14
Surface soundness EN 311	[N/mm <sup>2</sup> ]	0.8					
Moisture content*1 EN 322	[%]	5 - 13					
Formaldehyd content *2 EN 120	[mg/100g]	max. 8.0					
Density	[kg/m <sup>3</sup> ]	Plant specific					
General Tolerances							
Thickness tolerance EN 324	[mm]	± 0.3					
Length and width tolerance EN 324	[mm]	± 5.0					
Squareness EN 324	[mm/m]	≤ 2.0					
Edge straightness tolerance EN 324	[mm/m]	≤ 1.5					
Tolerance on the mean density within a board EN 323	[%]	± 10					

\*1 at delivery

\*2 Formaldehyde content: According to the "Regulation on the Prohibition of Chemicals (ChemVerbotsV)" annex to § 1, clause 3 from 14<sup>th</sup> 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 oven-dry board at moisture content of 6.5 %. The flexible half-years mean value is max. 6.5 mg HCHO/100g oven-dry board.

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Building physical properties		
<b>Fire behavior category according to the EN 13986 (&gt;9mm; and <math>\geq 600\text{kg/m}^3</math>)</b>		D-s2, d0
<b>Water vapour diffusion resistance value EN 13986</b>		$\mu$ moist $\mu$ dry
Mean density 600 $\text{kg/m}^3$		15      50
Mean density 900 $\text{kg/m}^3$		20      50
<b>Thermal conductivity EN 13986</b>		
Mean density 600 $\text{kg/m}^3$	[W/(m*K)]	0.12
Mean density 900 $\text{kg/m}^3$		0.18
<b>Soundabsorption EN 13986</b>		
Frequency range 250 Hz - 500 Hz		0.10
Frequency range 1000 Hz - 2000 Hz		0.25
<b>Biological durability</b>		
EN 335-3		Hazard category 1 (without earth contact; dry 20°C/65% RLF)
<b>Air Sound Insolation</b>		
EN 13986		$R = 13 \times \lg(\text{mA}) + 14$ (mA = board density [ $\text{kg/m}^2$ ])
<b>PCP Content EN 13986</b>	[ppm]	< 5

**Note:**  
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St. Veit / Glan 22.06.2016  
(Place and Date)

  
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