



Declaration of Performance

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

DoP Nr.: DoP007

Homogen P2 B1

1. Type:	Particleboard Type P2
2. Trade Name:	FunderMax Homogen Particleboard P2 B1
3. Intended use:	Boards for indoor use (including furniture) in dry conditions Particleboard with increased demands on fire performance
4. Manufacturer	FunderMax GmbH Bickfordstraße 6 A-7201 Neudörfel Austria
5. Construction product covered by:	EN 13986:2004+A1:2015
6. System of assessment and verification acc. to Annex V of the regulation (EU) No 305/2011:	System 1
7. Notified body in the European Union:	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 1359-CPR-0682

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

7. Declared Performance:

Mechanical properties	Unit	Board thickness				
	[mm]	12 - 13	13 - 20	20 - 25	25 - 32	32 - 38
Internal Bond strength EN 319	[N/mm ²]	0,35	0,35	0,30	0,25	0,20
Modulus of elasticity EN 310	[N/mm ²]	1.800	1.600	1.500	1.350	1.200
Bending strength EN 310	[N/mm ²]	11,0	11,0	10,5	9,5	8,5
Surface soundness EN 311	[N/mm ²]	0,8	0,8	0,8	0,8	0,8
Moisture content*1 EN 322	%	5 - 13				
Formaldehyd content *2 EN 120	[mg/100g]	max. 8,0				
Density	[kg/m ³]	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				
Thickness tolerance EN 324	%	± 10				

*1 at 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 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		
Fire behavior		
EN 13501		B-s2, d0
DIN EN 4102		B1
ÖNORM A-3800		B1, Tr1, Q1
Water vapour diffusion resistance value EN 13986		
	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
Soundabsorption EN 13986		
Frequency range 250 Hz - 500 Hz		0.10
Frequency range 1000 Hz - 2000 Hz		0.25
Biological durability		
EN 335-3		Hazard category 1 (without earth contact; dry 20°C/65% RLF)
Air Sound Insolation		
EN 13986		$R = 13 \times \lg(\text{mA}) + 14$ (mA = board density [kg/m ²])
PCP Content EN 13986	[ppm]	< 5

Note:

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St. Veit / Glan 22.06.2016
(Place and Date)

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Vice President, Innovation- and Technology Management

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i.A. Christoph Huber
Team Leader, Process Development/Quality Management Particle Boards

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