



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.: DoP003

Homogen P2

1. Type:	Particleboard Type P2
2. Trade Name:	FunderMax Homogen Particleboard P2 tongue and groove (NUF) partition wall
3. Intended use:	Boards for indoor use (including furniture) in dry conditions
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 4

FunderMax GmbH
Klagenfurter Straße 87-89
A-9300 St. Veit / Glan

Tel.: +43 (0)5 / 9494-0
Fax: +43 (0)5 / 9494-4200
office@fundermax.at
www.fundermax.at

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]	06 - 10	10 - 13	13 - 20	20 - 25	25 - 32	32 - 40
Internal Bond strength EN 319	[N/mm ²]	0.40	0.35	0.35	0.30	0.25	0.20
Modulus of elasticity EN 310	[N/mm ²]	1,800	1,800	1,600	1,500	1,350	1,200
Bending strength EN 310	[N/mm ²]	11.0	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	0,8
Moisture content* EN 322	%	4 - 13					
Formaldehyde class**		E1 / CARB P2 ; EPA TSCA					
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					
Tolerance on the mean density within a board EN 323	%	± 10					

* at delivery

* **Formaldehyde class:**

E1: According to the "Regulation on the Prohibition of Chemicals (ChemVerbotsV)" 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 acc. to ISO 12460-5 (photometrical) of 8 mg HCHO/100g oven-dry board at moisture content of 6.5 %. The moving half-years mean value is max. 6.5 mg HCHO/100g oven-dry board.

CARB P2: According to the California Air Resources Board (CARB) regulation CCR-17-93120.2(a) – Phase 2, formaldehyde release tested in the chamber ASTM E 1333 (ASTM D 6009) must not exceed 0.09 ppm.

EPA TSCA: According to US EPA 40 CFR Part 770, TSCA Title VI, formaldehyde release tested in the chamber ASTM E 1333 (ASTM D 6009) must not exceed 0.09 ppm.

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Building physical properties		
Fire behavior category according to the EN 13986 (>9mm; and ≥ 600kg/m³)		D-s2, d0
Water vapour diffusion resistance value EN 13986		μ moist μ dry
Mean density 600 kg/m³		15 50
Mean density 900 kg/m³		20 50
Thermal conductivity EN 13986		
Mean density 600 kg/m³		0.12
Mean density 900 kg/m³	[W/(m*K)]	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 x lg(mA) + 14 (mA = board density [kg/m²])
PCP Content EN 13986	[ppm]	< 5

Note:

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St. Veit / Glan 13.09.2018
(Place and Date)


.....
ppa. Gerhard Jannach
Vice President, Innovation- and Technology Management


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i.A. Michael Alram
Quality Management Particle Boards

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