FUNDERMAX

CE

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.: DoP002

Homogen P5

1. Type:	Particleboard Type P5
2. Trade Name:	FunderMax Homogen Particleboard P5
3. Intended use:	Load-bearing boards for use in humid conditions (+ Under-Floor on wooden beams)
4. Manufacturer	FunderMax GmbH Bickfordstraße 6 A-7201 Neudörfl 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 2+
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

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8. Declared Performance:

	Unit	Board thickness					
Mechanical properties	[mm]	06 – 10	10 – 13	13 – 20	20 – 25	25 – 32	32 – 40
Internal Bond strength EN 319	[N/mm²]	0.45	0.45	0.45	0.40	0.35	0.30
Internal Bond after cyclic test EN 321	[N/mm²]	0.25	0.25	0.22	0.20	0.17	0.15
Modulus of elasticity EN 310	[N/mm²]	2,550	2,550	2,400	2,150	1,900	1,700
Bending strength EN 310	[N/mm²]	18.0	18.0	16.0	14.0	12.0	10.0
Swelling in thickness, 24h EN 317	[%]	13	11	10	10	10	9
Swelling in thickness after cyclic test EN 321	[%]	12	12	12	11	10	9
Moisture content *1 EN 322	[%]	5 - 13					
Formaldehyd content *2 EN 120	[mg/100g]	max. 8.0					
Density	[kg/m³]	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 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 category according 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	[W/(m*K)]	0.12	
Mean density 900 kg/m³		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 insulation			
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 22.06.2016
(Place and Date)

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Vice President, Innovation- and Technology Management

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Team Leader, Process Development/Quality Management Particle Boards

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