

## DECLARATION OF PERFORMANCE

**No 009-DOP-2017/08/02**

1. Unique identification code of the product-type:  
**SM - Construction particle board „PremiumBoard MFP P5” - production dimension**  
**TM - Construction particle board „PremiumBoard MFP P5” - trade dimension**  
**TA - Construction particle board „PremiumBoard MFP P5” feather & rabbet - trade dimension**
2. Intended use/es:  
**As structural elements for internal applications in humid conditions**
3. Manufacturer: **Pfleiderer Polska Sp. z o.o., ul. Strzegomska 42AB, 53-611 Wrocław, Poland, [www.pfleiderer.pl](http://www.pfleiderer.pl)**
4. Manufacturing plant: **Pfleiderer Wieruszów Sp. z o.o., ul. Bolesławecka 10, 98-400 Wieruszów, Poland, [www.pfleiderer.pl](http://www.pfleiderer.pl)**
5. System/s of AVCP: **2+**
6. Harmonised standard: **EN 13986:2004+A1:2015**  
**Notified Body 1478, LIGNOTESTING, a.s., 841 05 Bratislava, Technická 5**
7. Declared performance/s:

Essential characteristics		Declared performance						
		Thickness [mm]						
Property	Unit	10	11	12	15	18	22	25
Strength	- Tension	N/mm <sup>2</sup>	9,4		8,5		7,4	
	- Compression		12,7		11,8		10,3	
	- Bending		15,0		13,3		11,7	
	- Panel shear		7,0		6,5		5,9	
	- Planer shear		1,9		1,7		1,5	
Stiffness (MOE)	- Tension, - Compression	N/mm <sup>2</sup>	2 000		1 900		1 800	
	- Bending		3 500		3 300		3 000	
	- Panel shear		960		930		860	
Punching shear, as:	- point load strength: - ultimate	N	NPD	NPD	2650	NPD	4380	6000
	- serviceability				2472		4319	4933
Point load stiffness		N/mm	NPD	NPD	172	NPD	252	770
Impact resistance		Class	III			II		
Reaction to fire		Class	D-s1, d0; C <sub>FL</sub> -s1					
Water vapour permeability - μ	- wet cup		15					
	- dry cup		50					
Release of formaldehyde		Class	E1					
Release (content) of pentachlorophenol - PCP			≤ 5 ppm					
Airborne sound insulation (density)		dB	25	26	28		30	
Sound absorption - α	- frequency range 250 to 500 Hz	Coefficient	0,10					
	- frequency range 1000 to 2000 Hz		0,25					
Thermal conductivity - λ		W/m·k	0,12					
Durability, as:	- Internal bond	N/mm <sup>2</sup>	≥ 0,45	≥ 0,45	≥ 0,45		≥ 0,40	
	- Swelling in thickness, 24h	%	≤ 13	≤ 11	≤ 10		≤ 10	
	- Moisture resistance Internal bond after boil test	N/mm <sup>2</sup>	≥ 0,15	≥ 0,15	≥ 0,14		≥ 0,12	
	- Mechanical (duration of load and creep)	Coefficient	k <sub>mod</sub> = 0,20					
	- Biological	Class	k <sub>def</sub> = 3,0 2					

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

**Maciej Domal, Production manager and responsible person for the FPC**

At Wieruszów on 02 August 2017r.

mgr inż. Maciej Domal

Kierownik Wydziału  
Produkcji Płyty Włókowych