

## DECLARATION OF PERFORMANCE

**No 008-DOP-2019/04/01**

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**
2. Intended use/es:  
**As structural elements for internal applications in humid conditions**
3. Manufacturer: **Pfleiderer Polska Spółka. z o. o. ul. Strzegomska 42AB, 53-611 Wrocław, Poland, [www.pfleiderer.pl](http://www.pfleiderer.pl)**
4. Manufacturing plant: **Pfleiderer Grajewo Spółka z o.o., ul. Wiórowa 1, 19-203 Grajewo, 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:	N	NPD	NPD	NDS	NPD	4580	7610	NPD
	- ultimate						4248	6993	
	- serviceability								
Point load stiffness		N/mm	NPD	NPD	NDS	NPD	266	443	NPD
Impact resistance		Class	III				II		
Reaction to fire		Class	D-s2, d0; C <sub>FL</sub> -s1			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 k <sub>def</sub> = 3,0						
	- Biological	Class	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:  
**Jarosław Cieślak, Production manager and responsible person for the FPC**

  
 Kierownik Wydziału  
 Produkcji Płyt Wiórowych  
**Jarosław Cieślak**

At Grajewo on 09 December 2021r.