

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 Sp. z o.o., ul. Strzegomska 42AB, 53-611 Wrocław, Poland, www.pfleiderer.pl**
4. Manufacturing plant: **Pfleiderer Grajewo Spółka z o.o., ul. Wiórowa 1, 19-203 Grajewo, Poland, 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 ²	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 ²	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-s1, d0; C _{FL} -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 ²	≥ 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 ²	≥ 0,15	≥ 0,15	≥ 0,14		≥ 0,12		
	- Mechanical (duration of load and creep)	Coefficient	$k_{mod} = 0,20$ $k_{def} = 3,0$						
	- 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:
Paweł Przybysz, Production manager and responsible person for the FPC



At Grajewo on 01 April 2019r.