

## Technical Data Sheet

26.10.2022

### **HARDBOARD , PRODUCED IN THE WET PROCESS**

HB type, manufactured in accordance with the PN-622-2; 622-1 standard

#### **STANDARD DIMENSION:**

1220/ 1830/ 2440/ 2750/ 3050 mm    **THICKNESS:** 2,0-7,0mm

1610/1830/2140/2440/2750/3050mm    **THICKNESS:** 2,4-5,0mm

#### **Technical and mechanical properties:**

Parametr:	Value for nominal thickness range [mm]:		
	≤3,5	3,5-5,5	≥5,5
Density [kg/m <sup>3</sup> ]	≥ 900		
Static bending strength [N/mm <sup>2</sup> ]	> 30,0	>30,0	> 25,0
Internal bond [N/mm <sup>2</sup> ]	>0,5	>0,5	>0,5
Swelling after 24 h water soaking [%]	< 37,0	< 30,0	< 25,0
Fire reaction acc. EN 13 501-1	E		
Class of formaldehyde	E1		
Emission of formaldehyd acc. EN 717-1	0,017ppm		
Surface absorption by right side of board [g/m <sup>2</sup> ]	<300		
Thermal conductivity λ <sub>D</sub> [W/mK]	0,14		
Steam diffusion resistance factor μ	20 (high air humidity) 30 (low air humidity)		
Sound absorption coefficient	0,10 (250-500Hz) 0,20 (1000-2000Hz)		
Thickness tolerance [mm]	+/-0,3	+/-0,5	+/-0,7
Tolerance lenght/width/squareness [mm/m]	+/- 2,0 /2,0 /1,5		
Humidity contents [%] (*)	4-9		

(\*) – the level of humidity refers to boards at the moment of leaving the factory

