

## Declaration of Performance

No.5

1.	Unique Identification code of product type	Birch Plywood qlued on the bases of phenol-formaldehyde resin SEGEZHA FIRE <b>RETARDANT, coated</b>
2.	Intended use(s):  Technical class(es):  Thickness range:	Plywood for external use as a non-structural / structural component End use applications for class Bfl-s1: floor covering laid on perimetral metal profiles, not in contact to any support; laid loosly on materials of Euroclass A1 or A2-s1, d0 (EN 13501-1) with a thickness at least 6 mm and a gross density of no less than 1350 kg/m3. 6,5 - 8 mm: 3 (EN 636-3) 9 - 39 mm: 3S (EN 636-3) 6,5 mm - 39 mm
3.	Manufacturer (Adress)	Vyatsky Playwood Mill 1, Kommuny st., Novovyatsky district, Kirov, 610013, RUSSIA
4.	Authorised representative (optional)	-
5.	System of Assessment and Verification of Constancy of Performance (AVCP)	System 2+
6.	Harmonized standard	EN 13986:2004+A1:2015
	Notified body	OTC Bulgaria Ltd. (notified body 2787)

7. Declared performances			
	Essential characteristics (acc. to table ZA. 1.1 in annex ZA of the EN 13986:2004+A1:2015)	Performance	Harmonized technical specification
<b>Durability</b>	Bending strength (acc. to EN 636) in length direction ( $f_{m,0}$ ) / width direction ( $f_{m,90}$ )	class 6,5 - 9,0 mm F 50/30 12,0 - 18,0 mm F 50/30 21,0 - 39,0 mm F 40/35	EN 13986:2004+A1:2015
	Modulus of elasticity in bending (stiffness in bending acc. to EN 636) in length direction ( $E_{m,0}$ ) / width direction ( $E_{m,90}$ )	class 6,5 - 9,0 mm E 100/40 12,0 - 18,0 mm E 80/60 21,0 - 39,0 mm E 80/60	
	Characteristic strength values in bending $f_{m,05}$ (0/90) ( $f_{m,0}/f_{m,90}$ )	N/mm <sup>2</sup> 6,5 - 9,0 mm 50/30 12,0 - 18,0 mm 50/30 21,0 - 39,0 mm 40/30	
	Characteristic strength values in tension, compression $f_{t-c,05}$ (0/90) ( $f_{t-c,0}/f_{t-c,90}$ )	N/mm <sup>2</sup> 6,5 - 9,0 mm 20/15 12,0 - 18,0 mm 20/15 21,0 - 39,0 mm 16/15	
	Characteristic strength in shear (0/90) ( $f_v/f_t$ )	N/mm <sup>2</sup> 7,5/1,2	
	Stiffness in bending $E_{m,50}$ (0/90) ( $E_{m,0}/E_{m,90}$ )	N/mm <sup>2</sup> 6,5 - 9,0 mm 10000/4000 12,0 - 18,0 mm 8000/6000 21,0 - 39,0 mm 8000/6000	
	Stiffness in tension, compression $E_{t-c,50}$ (0/90) ( $E_{t-c,0}/E_{t-c,90}$ )	N/mm <sup>2</sup> 6,5 - 9,0 mm 5000/3200 12,0 - 18,0 mm 4000/4800 21,0 - 39,0 mm 4000/4800	
	Stiffness in shear (0/90) ( $G_v/G_t$ )	N/mm <sup>2</sup> 550/110	
	Punching shear (for floor and roofs) as point load strength and point load stiffness	N and N/mm <sup>2</sup> NPD	
	Racking resistance (for walls)	N and N/mm <sup>2</sup> NPD	
	Impact resistance (for floors, roofs and walls)	class NPD	
	Reaction to fire	class Bfl-s1	
	Water vapour permeability ( $\mu$ )	value wet cup: 90 dry cup: 220	
	Release of formaldehyde (expressed as class E1 or E2)	class E1	
	Release (content) of pentachlorophenol (PCP)	ppm NPD	
	Airbone sound insulation (R)	dB NPD	
	Sound absorption (factor $\alpha$ )	value 0,10 $\alpha$ (250 Hz – 500 Hz) 0,30 $\alpha$ (1 000 Hz – 2 000 Hz)	
	Thermal conductivity ( $\lambda$ )	W/(m*K) 0,17	
	Embedment strength ( $f_n$ )	N/mm <sup>2</sup> NPD	
	Air permeability ( $V_a$ )	m <sup>3</sup> /h NPD	
Bonding strength (expressed as bonding classes 1, 2 or 3) (acc. to EN 314-1, 2)	class 3		
Internal bond	N/mm <sup>2</sup> NPD		
Swelling thickness	% NPD		
Moisture resistance	class 3		
Mechanical (i.e. duration of load creep) - modification factors $k_{mod}$ and $k_{def}$	value NPD		
Biological	use class NPD		

\*NPD...No Performance Determined

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

Signed by:

Alpashkina Vera, Head of Quality Control Department  
name and function

Kirov, January 17, 2023  
place and date of issue  
АКОНМЕНТОР  
signature

