

Declaration of Performance

No.2

1.	Unique Identification code of product type	Birch Plywood glued on the bases of PF (phenol-formaldehyde resin) FOF, coated
2.	Intended use(s): Technical class(es): Thickness range:	Plywood for external use as a non-structural / structural component 4 - 8 mm: 3 (EN 636-3) 9 - 40 mm: 3S (EN 636-3) 4 mm - 40 mm
3.	Manufacturer (Address)	Vyatsky Plywood 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			Harmonized technical specification
Essential characteristics (acc. to table ZA. 1.1 in annex ZA of the EN 13986:2004+A1:2015)	Performance		
Bending strength (acc. to EN 636) in length direction ($f_{m,0}$) / width direction ($f_{m,90}$)	class	5,0 - 9,0 mm F 50/30 12,0 - 15,0 mm F 50/30 18,0mm F 40/40 21,0 - 40,0 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	5,0 - 9,0 mm E 100/40 12,0 - 15,0 mm E 80/60 18mm E 80/70 21,0 - 40,0 mm E 80/60	
Characteristic strength values in bending $f_{m,05}$ (0/90) ($f_{m,0}/f_{m,90}$)	N/mm ²	5,0 - 9,0 mm 50/30 12,0 - 15,0 mm 50/30 18mm 40/40 21,0 - 40,0 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 ²	5,0 - 9,0 mm 20/15 12,0 - 15,0 mm 20/15 18mm 16/20 21,0 - 40,0 mm 16/15	
Characteristic strength in shear (0/90) (f_v/f_r)	N/mm ²	6,3 / 1,0	
Stiffness in bending $E_{m,50}$ (0/90) ($E_{m,0}/E_{m,90}$)	N/mm ²	5,0- 9,0 mm 10000/4000 12,0 - 15,0 mm 8000/6000 18,0mm 8000/7000 21,0 - 40,0 mm 8000/6000	
Stiffness in tension, compression $E_{t-c,50}$ (0/90) ($E_{t-c,0}/E_{t-c,90}$)	N/mm ²	5,0 - 9,0 mm 5000/3200 12,0 - 18,0 mm 4000/4800 18,0mm 4000/5600 21,0 - 40,0 mm 4000/4800	
Stiffness in shear (0/90) (G_v/G_r)	N/mm ²	480 / 60	
Punching shear (for floor and roofs) as point load strength and point load stiffness	N and N/mm ²	NPD	
Racking resistance (for walls)	N and N/mm ²	NPD	
Impact resistance (for floors, roofs and walls)	class	NPD	
Reaction to fire	class	[d-s2,d0]	
Water vapour permeability (μ)	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	
Airborne sound insulation (R)	dB	NPD	
Sound absorption (factor α)	value	0,10 α (250 Hz – 500 Hz) 0,30 α (1 000 Hz – 2 000 Hz)	
Thermal conductivity (λ)	W/(m*K)	0,17	
Embedment strength (f_n)	N/mm ²	NPD	
Air permeability (V_0)	m ³ /h	NPD	
Durability	Bonding strength (expressed as bonding classes 1, 2 or 3) (acc. to EN 314-1, 2)	class	3
	Internal bond	N/mm ²	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

