

## Declaration of Performance

No. 2

1.	Unique Identification code of product type	Plywood lined, brand: FOB, laminated smooth, lined with phenolic film on both with edges sealed with water-resistant water-dilutable paint based on acrylate, binder - phenol-formaldehyde resin (PF), film density - up to 220 g/m <sup>2</sup> , type of veneer - 100% birch, type of plywood- longitudinal or transverse, 6 mm – 40 mm, technical class 3 S acc to EN 636:2012+A1:2015, marking "SYNERGY" LTD
2.	Intended use(s): Technical class(es): Thickness range:	Plywood for indoor use in dry and wet conditions. Plywood for outdoor use. As structural/non-structural use 6 - 8 mm: 3 (EN 636-3) 9 - 40 mm: 3S (EN 636-3S) 6 mm - 40 mm
3.	Manufacturer (Address)	"SYNERGY" LTD , Address 624320, Sverdlovsk region, Verkhnyaya Tura, Lesnaya str., building 3, room 22
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
Bending strength (acc. to EN 636) in length direction ( $f_{m,0}$ ) / width direction ( $f_{m,90}$ )	class	6-9mm : F 50/30 12-18mm : F 40/30 21-40mm : F 30/30	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	6-9mm : E 80/30 12-18mm : E 70/40 21-40mm : E 60/40	
Characteristic strength values in bending $f_{m,05}$ (0/90) ( $f_{m,0}/f_{m,90}$ )	N/mm <sup>2</sup>	NPD	
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>	NPD	
Characteristic strength in shear (0/90) ( $f_v/f_c$ )	N/mm <sup>2</sup>	NPD	
Stiffness in bending $E_{m,50}$ (0/90) ( $E_{m,0}/E_{m,90}$ )	N/mm <sup>2</sup>	NPD	
Stiffness in tension, compression $E_{t-c,50}$ (0/90) ( $E_{t-c,0}/E_{t-c,90}$ )	N/mm <sup>2</sup>	NPD	
Stiffness in shear (0/90) ( $G_v/G_c$ )	N/mm <sup>2</sup>	NPD	
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	D-s2, d0	
Reaction to fire	class	NPD	
Water vapour permeability ( $\mu$ )	value	NPD	
Release of formaldehyde (expressed as class E0,5 or E2)	class	E 0,5	
Release (content) of pentachlorophenol (PCP)	ppm	NPD	
Airborne sound insulation (R)	dB	NPD	
Sound absorption (factor $\alpha$ )	value	NPD	
Thermal conductivity ( $\lambda$ )	W/(m*K)	NPD	
Embedment strength ( $f_n$ )	N/mm <sup>2</sup>	NPD	
Air permeability ( $V_0$ )	m <sup>3</sup> /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 <sup>2</sup>	NPD
	Swelling thickness	%	NPD
	Moisture resistance	class	NPD
	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:

General Director Oleg Klinsky  
Head of Quality Control Department  
name and function



place and date of issue

signature