

Declaration of Performance

No. 1

1.	Unique Identification code of product type	General purpose plywood with outer layers of hardwood veneer, grade: FSF, white, surface type - sanded, not sanded, without coating, binder - phenol-formaldehyde resin (PF), type of veneer - 100% birch, type of plywood - longitudinal, transverse, density - 640 kg/m ³ , thickness 4 mm – 40 mm, technical class 2 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 as structural/non-structural use 4 - 8 mm: 2 (EN 636-2) 9 - 40 mm: 2S (EN 636-2S) 4 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 4-9mm : 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 4-9mm : E 80/30 12-18mm : E 70/40 21-40mm : E 60/40			
Characteristic strength values in bending $f_{m,0,5}$ (0/90) ($f_{m,0}/f_{m,90}$)	N/mm ²		NPD	
Characteristic strength values in tension, compression $f_{t-c,0,5}$ (0/90) ($f_{t-c,0}/f_{t-c,90}$)	N/mm ²		NPD	
Characteristic strength in shear (0/90) (f_v/f_g)	N/mm ²		NPD	
Stiffness in bending $E_{m,50}$ (0/90) ($E_{m,0}/E_{m,90}$)	N/mm ²		NPD	
Stiffness in tension, compression $E_{t-c,50}$ (0/90) ($E_{t-c,0}/E_{t-c,90}$)	N/mm ²		NPD	
Stiffness in shear (0/90) (G_v/G_d)	N/mm ²		NPD	
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		D-s2, d0	
Reaction to fire	class		NPD	
Water vapour permeability (μ)	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 α)	value		NPD	
Thermal conductivity (λ)	W/(m*K)		NPD	
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	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