DECLARATION OF PERFORMANCE – 1-2023-08-25

CE certificate No: 0766 – CPR – 642

1. **Unique identification code of the product type:**

   2123018-001 Birch plywood FSF unfaced, bonded with phenol-formaldehyde resin

2. **Intended use:** Plywood for external use as a structural component

   Technical class: EN 636 – 3S

   Thickness range: 9 mm – 24 mm

3. **Manufacturer:**

   Palati 2022 LLC
   4 Mazniashvili street, Rustavi 3700, Georgia
   Tel: +995 0341 28 88 00 / +995 511 25 10 50
   E-mail: info@palatillc.com

4. **System of assessment and verification of constancy of performance (AVCP):**

   System 2+

5. **Harmonized standart:**

   EN 13986:2004+A1:2015

   Notified body:

   0766 EPH - Entwicklungs- und Pluflabor Holztechnologie GmbH

   Zellescher Weg 24 D-01217 Dresden, Germany

6. **Declared performances according EN 13986:2004+A1:2015**

	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	F 35/30	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	E 80/50	
	Characteristic strength values in bending $f_{m,05}$ (0/90) ($f_{m,0}/f_{m,90}$)	N/mm²	55,9/50,3	
	Characteristic strength values in tension, compression $f_{t-c,05}$ (0/90) ($f_{t-c,0}/f_{t-c,90}$)	N/mm²	NPD	
	Characteristic strength in shear (0/90) ($f_v/f_é$)	N/mm²	NPD	
	Stiffness in bending $E_{m,50}$ (0/90) ($E_{m,0}/E_{m,90}$)	N/mm²	7724/5156	
	Stiffness in tension, compression $E_{t-c,50}$ (0/90) ($E_{t-c,0}/E_{t-c,90}$)	N/mm²	NPD	
	Stiffness in shear (0/90) ($G_v/G_é$)	N/mm²	NPD	
	Moisture	%	5 - 10	
	Density	Kg/m3	> 659	
	Punching shear *(for floor and roofs)* as point load strength and point load stiffness	N and N/mm²	NPD	EN 13986:2004+A1:2015
	Racking resistance *(for walls)*	N and N/mm²	NPD	
	Impact resistance *(for floors, roofs and walls)*	class	NPD	
	Reaction to fire	class	NPD	
	Water vapour permeability (μ)	value	NPD	
	Release of formaldehyde (expressed as class E1 or E2)	class	E1	
	Release (content) of pentachlorphenol (PCP)	ppm	NPD	
	Airbone sound insulation (R)	dB	NPD	
	Sound absorption (factor α)	value	NPD	
	Thermal conductivity (λ)	W/(m*K)	NPD	
	Embedment strength (f_n)	N/mm²	NPD	
	Air permeability (V_0)	m³/h	NPD	
Durability	Bonding strength (expressed as bonding classes 1, 2 or 3) (acc. to EN 314-1,2)	class	3	
	Internal bond	N/mm²	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 for and on behalf of the manufactured by:

Luiza Kobiashvili. QCM

name and function

25.08.2023

place and date for issue

signature