Declaration of Performance

No. 2020-04-01

1.	Unique Identification code of product type	Softwood and hardwood plywood, WBP glue
2.	Intended use(s): Technical class(es): Thickness range:	Plywood for internal use as a non-structural and a structural component in dry (EN 636-1), Plywood for internal use as a non-structural and a structural component in humid (EN 636-2) Technical class 1 and 2 9 mm - 30 mm
3.	Manufacturer (Adress)	«KRASFAN» LLC, 662500, Russia, Krasnoyarsk region, Sosnovoborsk city, Zavodskaya Street, 1
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	EPH Dresden GmbH (notified body 0766)
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	look at the table	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	look at the table	
	Characteristic strength values in bending $f_{m,05}$ (0/90) ($f_{m,0}/f_{m,90}$)	N/mm²	NPD	
	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) ($f_v/f_\perp$)	N/mm²	NPD	
	Stiffness in bending $E_{m,50}$ (0/90) ($E_{m,0}/E_{m,90}$)	N/mm²	NPD	
	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) ($G_v/G_\perp$)	N/mm²	NPD	
	Punching shear *(for floor and roofs)* as point load strength and point load stiffness	N and N/mm²	NPD	
	Racking resistance *(for walls)*	N and N/mm²	NPD	
	Impact resistance *(for floors, roofs and walls)*	class	NPD	
	Reaction to fire	class	D-s2,d0	
	Water vapour permeability (μ)	value	NPD	
	Release of formaldehyde	class	E1	
	Humidity		5 – 12 %	
	Density		≥ 400 кg/m3	
	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_h)	N/mm²	NPD	
	Air permeability (V_0)	m³/h	NPD	
Durability	Bonding strength (expressed as bonding) (acc. to EN 314-1, 2)	class	3	
	Internal bond	N/mm²	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 main characteristics EN 636:2012 +A1:2015	The minimum results at a plywood thickness				
	Softwood			Hardwood	
	9 mm	10 – 18 mm	19 – 30 mm	10 – 18 mm	19 – 30 mm
Tensile strength along the fiber direction	F20	F15	F15	F20	F15
Tensile strength to the fiber direction	F3	F5	F5	F5	F10
The modulus of elasticity along the fiber	E25	E25	E20	E30	E25
The modulus of elasticity across the fiber	E5	E10	E10	E5	E10

Signed for and on behalf of the manufactured by:

Director «KRASFAN» LLC

Zamyslov M.V.

name and function

01 April 2020

place and date of issue

signature