ILIM TIMBER

DECLARATION OF PERFORMANCE
No. 2018-07-16

1. Unique identification code of the product-type:

Softwood Plywood 6,5- 9-12-15-18-19-20-21-24-27-30 mm (Density ≥ 400 kg / m3)

2. Intended use:

For indoor use as load-bearing components in the humidity range
EN 636-2 S
EN 13986:2004+A1:2015 (4.2)

3. Manufacturer:

Ilim Timber, LLC
191167, Saint-Petersburg,
Sinopskaya naberezhnaya 22A, office 921
Russia

In the factory
Bratsk Branch of Ilim Timber LLC
Bratsk, BLPK Industrial site
Irkutsk region,
665718, Russia

5. System of AVCP:

AVCP System 2+

6a. Harmonised standard:

EN 13986:2004+A1:2015

6b. Notified body:

- 1075 –
Official Materials Testing Institute of the Free Hanseatic City of Bremen, Business Unit of the IWT Bremen, Paul-Feller-Strasse 1, 28199 Bremen, Germany

MPA Bremen has been certified in accordance with EN 13986: 2004 + A1: 2015, System 2+, and issued the certificate 1075-CPR-Z420-20 / 18.

7. Declared performance

Essential characteristics			Declared performance	Reference
Strength / stiffness	In tension, compression, bending and shear (i.e., panel shear or planar shear)	Bending strength	see Table 1	EN 636:2012, Table 1
		E- Modulus	see Table 1	EN 636:2012, Table 2
		Bending strength and stiffnessfor load-bearing use	min fm0.5 and Em50 see Table 1	EN 12369-2, Table 2,3
		Compressive and tensile strength and stiffness for load-bearing use	min ft-c, 05 and Et-c, 50 see Table 1	EN 12369-2, Table 2,3
		Shear strength and stiffness transverse to the plate plane and in plate plane (at a mean gross density of 400kg / m ³)	fv = 2.7 N / mm², fr = 0.5 N / mm², GV = 270 N / mm², Gr = 11 N / mm²	EN 12369-2, Table 4
Impact resistance			NPD	
Reaction to fire			Class E	EN 13986:2004+A1:2015, Table 8
Water vapour permeability			Water vapor diffusion resistance: 60 μ (wet); 180 μ (dry)	EN 12524; EN 13986:2004+A1:2015 Table 9
Release of formaldehyde			E1	EN 636:2012, Table 3
Content of pentachlorophenol			< 5 ppm	EN 13986:2004+A1:2015, 5.18
Airborne sound insulation			NPD	
Sound absorption			0,10 (250 bis 500 Hz) 0,30 (1000 bis 2000 Hz)	EN 13986:2004+A1:2015, Table 10
Thermal conductivity			0,11 W/mK	EN 13986:2004+A1:2015, Table 11
Embedment strength			NPD	
Air permeability			NPD	
Bonding quality			Class 3	EN 636:2012, EN 314-2:1993
Mechanical durability			NPD	
Biological durability			NPD	

Table 1:

Nominal thickness [Mm]	Number of layers	Bending strength		modulus of elasticity		min fm0,5 N/mm²	min Em50 N/mm²	min ft-c,05 N/mm²	min Et-c,50 N/mm²
		in the fiber direction of the deck veneer	perpendicular to the fiber direction of the deck veneer	in the fiber direction of the deck veneer	perpendicular to the fiber direction of the deck veneer				
6,5	3	F 20	F 5	E 35	E 5	20/5	3.500/500	8/2,5	1.750*)/400
9	3	F 35	F 5	E 80	E 5	35/5	8.000/500	14/2,5	4.000 /400
9	5	F 25	F 10	E 70	E 15	25/10	7.000/1.500	10/5	3.500/1.200
12	5	F 20	F 10	E 50	E 30	20/10	5.000/3.000	8/5	2.500/2.400
15	7	F 20	F 10	E 50	E 25	20/10	5.000/2.500	8/5	2.500/2.000
18/19	9	F 20	F 10	E 50	E 25	20/10	5.000/2.500	8/5	2.500/2.000
20	9	F 15	F 10	E 30	E 25	15/10	3.000/2.500	6/5	1.500/2.000
21	9	F 20	F 15	E 50	E 30	20/15	5.000/3.000	8/7,5	2.500/2.400
21	11	F 15	F 10	E 35	E 25	15/10	3.500*)/2.500	6/5	1.750*)/2.000
24	11	F 20	F 10	E 50	E 30	20/10	5.000/3.000	8/5	2.500/2.400
27	11	F 15	F 15	E 35	E 35	15/15	3.500*)/3.500*)	6/7,5	1.750*)/2.800*)
30	13	F 15	F 10	E 40	E 30	15/10	4.000/3.000	6/5	2.000/2.400

*) Values Interpolated

8. The performance data of the above product are as stated. This declaration of performance is drawn up in accordance with Regulation (EU) No 305/2011. Responsible for the creation is solely the manufacturer mentioned above.

Signed for the manufacturer and on behalf of the manufacturer:

Production Director _____ M.M. Markov

Russia, Irkutsk Region, Bratsk
the 16th of July 2018

CE

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Bratsk Branch of Ilim Timber LLC
Bratsk, BLPK Industrial site
Irkutsk region,
665718, Russia

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Bending strength	see Table 1
E- Modulus	see Table 1
Bending strength and stiffnessfor load-bearing use	min fm0.5 and Em50 see Table 1
Compressive and tensile strength and stiffness for load-bearing use	min ft-c, 05 and Et-c, 50 see Table 1
Shear strength and stiffness transverse to the plate plane and in plate plane (at a mean density of 400kg / m³)	fv = 2.7 N / mm², fr = 0.5 N / mm², GV = 270 N / mm², Gr = 11 N / mm²
Reaction to fire	Class E
Water vapour permeability: (at a mean density of 400kg / m³)	Water vapor diffusion resistance: 60 µ (wet); 180 µ (dry)
Release of formaldehyde	E1
Content of pentachlorophenol	< 5 ppm
Sound absorption	0,10 (250 bis 500 Hz) 0,30 (1000 bis 2000 Hz)
Thermal conductivity (at a mean density of 400kg / m³)	0,11 W/mK
Bonding quality	Class 3

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6,5	3	F 20	F 5	E 35	E 5	20/5	3.500/500	8/2,5	1.750*)/400
9	3	F 35	F 5	E 80	E 5	35/5	8.000/500	14/2,5	4.000 /400
9	5	F 25	F 10	E 70	E 15	25/10	7.000/1.500	10/5	3.500/1.200
12	5	F 20	F 10	E 50	E 30	20/10	5.000/3.000	8/5	2.500/2.400
15	7	F 20	F 10	E 50	E 25	20/10	5.000/2.500	8/5	2.500/2.000
18/19	9	F 20	F 10	E 50	E 25	20/10	5.000/2.500	8/5	2.500/2.000
20	9	F 15	F 10	E 30	E 25	15/10	3.000/2.500	6/5	1.500/2.000
21	9	F 20	F 15	E 50	E 30	20/15	5.000/3.000	8/7,5	2.500/2.400
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30	13	F 15	F 10	E 40	E 30	15/10	4.000/3.000	6/5	2.000/2.400

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