

**DECLARATION OF PERFORMANCE**  
No. 2018-10-16

1. Unique identification code of the product-type:  
Softwood Plywood 6,5- 9-12-15-18-19-20-21-24-27-30 mm (Density  $\geq$  400 kg / m<sup>3</sup>)

2. Intended use:  
For indoor use as load-bearing components in the humidity range  
EN 636-2 S  
EN 13986:2004+A1:2015 (4.2,4.5)

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	Bending strength	see Table 1	EN 636:2012, Table 1
	E- Modulus	see Table 1	EN 636:2012, Table 2
	Bending strength and stiffness for 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 <sup>3</sup> )	$f_v = 2.7 \text{ N / mm}^2$ , $f_r = 0.5 \text{ N / mm}^2$ , $GV = 270 \text{ N / mm}^2$ , $Gr = 11 \text{ N / mm}^2$	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 $\mu$ (wet); 180 $\mu$ (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	

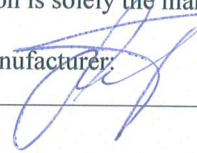
**Table 1:**

Nominal thickness [Mm]	Number of layers	Bending strength		modulus of elasticity		min fm0,5 N/mm <sup>2</sup>	min Em50 N/mm <sup>2</sup>	min ft-c,05 N/mm <sup>2</sup>	min Et-c,50 N/mm <sup>2</sup>
		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 <sup>*)</sup> /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 <sup>*)</sup> /2.500	6/5	1.750 <sup>*)</sup> /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 <sup>*)</sup> /3.500 <sup>*)</sup>	6/7,5	1.750 <sup>*)</sup> /2.800 <sup>*)</sup>
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 \_\_\_\_\_




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