

Plyterra, JSC  
1 Leninskaya Street  
431105 Umet  
Zubovo- Polyanskiy Region  
Russia

## DECLARATION OF PERFORMANCE

### 1. Unique identification code of the product-type:

**01 – 01:** Birch Plywood 636-2S, F 60/40 E 80/20, Unfaced, 4 - 9 MM  
**01 – 02:** Birch Plywood 636-2S, F 60/40 E 80/20, Unfaced, 10 – 40 MM  
**02 – 01:** Birch Plywood 636-2S, F 60/40 E 80/20, Faced, 4 - 9 MM  
**02 – 02:** Birch Plywood 636-2S, F 60/40 E 80/20, Faced, 10 – 40 MM

### 2. Intended use:

For structural use in humid conditions, EN 636-2S

### 3. Manufacturer:

Plyterra, JSC  
1 Leninskaya Street  
431105 Umet, Russia  
Tel.: +7 8342 560266  
Fax: +7 8342 560126  
E-Mail: [office@plyterra.ru](mailto:office@plyterra.ru)

### 5. System of AVCP:

System 2+

### 6. a) Harmonised standard:

EN 13986:2004+A1:2015

### Notified body:

0765  
Fraunhofer-Institut für Holzforschung Wilhelm-Klauditz-Institut WKI  
Bienroder Weg 54E  
D-38108 Braunschweig

**7. Declared performance according to EN 13986:2004+A1:2015:**
**DOP № 01 – 01**
**for product Birch Plywood 636-2S, F 60/40 E 80/20, Unfaced, 4 - 9 mm**

Characteristics	Symbols	Minimum value	According to Standard	
Bending strength	$F_{m,0,K}$	$\geq 60$ N/mm <sup>2</sup>	EN 12369-2	
Bending strength	$F_{m,90,K}$	$\geq 40$ N/mm <sup>2</sup>		
Mean bending E-modulus	$E_{m,0,mean}$	$\geq 8500$ N/mm <sup>2</sup>		
Mean bending E-modulus	$E_{m,90,mean}$	$\geq 2200$ N/mm <sup>2</sup>		
Modulus of rigidity of panel shear	$f_{v,K}$	3,0 N/mm <sup>2</sup>		
Modulus of rigidity of panel shear	$G_{v,mean}$	300 N/mm <sup>2</sup>		
Strength of planar shear	$f_{r,K}$	0,5 N/mm <sup>2</sup>		
Modulus of rigidity of planar shear	$G_{r,mean}$	20 N/mm <sup>2</sup>		
Moisture Content	$H$	5 - 10 %		EN 322
Density	$\delta$	$\geq 650$ kg/m <sup>3</sup>	EN 323	
Bonding Quality		Class 3	EN 314-2	
Reaction to Fire		E	EN 13986:2004+A1:2015/ 13501-1	
Determination of dimensions			EN 324	
Formaldehyde		E1	EN 13986:2004+A1:2015	
Water permeability	$\mu$	70 Wet cup	200 Dry cup	EN 13986:2004+A1:2015
Airborne sound insulation	$dB$	NPD		
Sound absorption		NPD		
Thermal conductivity	$p$	0,16 W (mk)		EN 13986:2004+A1:2015
Embedment strength	$f_h$	NPD		
Air permeability	$f$	NPD		

**DOP № 01 – 02**
**for product Birch Plywood 636-2S, F 60/40 E 80/20, Unfaced, 10 – 40 mm**

Characteristics	Symbols	Minimum value	According to Standard
Bending strength	$F_{m,0,K}$	$\geq 60$ N/mm <sup>2</sup>	EN 12369-2
Bending strength	$F_{m,90,K}$	$\geq 40$ N/mm <sup>2</sup>	
Mean bending E-modulus	$E_{m,0,mean}$	$\geq 8500$ N/mm <sup>2</sup>	
Mean bending E-modulus	$E_{m,90,mean}$	$\geq 2200$ N/mm <sup>2</sup>	
Modulus of rigidity of panel shear	$f_{v,K}$	3,0 N/mm <sup>2</sup>	
Modulus of rigidity of panel shear	$G_{v,mean}$	300 N/mm <sup>2</sup>	
Strength of planar shear	$f_{r,K}$	0,5 N/mm <sup>2</sup>	
Modulus of rigidity of planar shear	$G_{r,mean}$	20 N/mm <sup>2</sup>	
Moisture Content	$H$	5 - 10 %	EN 322
Density	$\delta$	$\geq 650$ kg/m <sup>3</sup>	EN 323
Bonding Quality		Class 3	EN 314-2
Reaction to Fire		D-s2, do	EN 13986:2004+A1:2015 /13501-1
Determination of dimensions			EN 324
Formaldehyde		E1	EN 13986:2004+A1:2015
Water permeability	$\mu$	70 Wet cup	200 Dry cup EN 13986:2004+A1:2015
Airborne sound insulation	$dB$	NPD	
Sound absorption		NPD	
Thermal conductivity	$p$	0,16 W (mk)	EN 13986:2004+A1:2015
Embedment strength	$f_h$	NPD	
Air permeability	$f$	NPD	

**DOP № 02 – 01**
**Birch Plywood 636-2S, F 60/40 E 80/20, Faced, 4 - 9 mm**

Characteristics	Symbols	Minimum value	According to Standard	
Bending strength	$F_{m,0,K}$	$\geq 60$ N/mm <sup>2</sup>	EN 12369-2	
Bending strength	$F_{m,90,K}$	$\geq 40$ N/mm <sup>2</sup>		
Mean bending E-modulus	$E_{m,0,mean}$	$\geq 8500$ N/mm <sup>2</sup>		
Mean bending E-modulus	$E_{m,90,mean}$	$\geq 2200$ N/mm <sup>2</sup>		
Modulus of rigidity of panel shear	$f_{v,K}$	3,0 N/mm <sup>2</sup>		
Modulus of rigidity of panel shear	$G_{v,mean}$	300 N/mm <sup>2</sup>		
Strength of planar shear	$f_{t,K}$	0,5 N/mm <sup>2</sup>		
Modulus of rigidity of planar shear	$G_{r,mean}$	20 N/mm <sup>2</sup>		
Moisture Content	$H$	5 - 10 %	EN 322	
Density	$\delta$	$\geq 650$ kg/m <sup>3</sup>	EN 323	
Bonding Quality		Class 3	EN 314-2	
Reaction to Fire		E	EN 13986:2004:A1:2015 /13501-1	
Determination of dimensions			EN 324	
Formaldehyde		E1	EN 13986:2004+A1:2015	
Water permeability	$\mu$	70 Wet cup	200 Dry cup	EN 13986:2004+A1:2015
Airborne sound insulation	$dB$	NPD		
Sound absorption		NPD		
Thermal conductivity	$p$	0,16 W (mk)		EN 13986:2004+A1:2015
Embedment strength	$f_h$	NPD		
Air permeability	$f$	NPD		

**DOP № 02 – 02**
**for product Birch Plywood 636-2S, F 60/40 E 80/20, Faced, 10 – 40 mm**

Characteristics	Symbols	Minimum value	According to Standard
Bending strength	$F_{m,0,K}$	$\geq 60$ N/mm <sup>2</sup>	EN 12369-2
Bending strength	$F_{m,90,K}$	$\geq 40$ N/mm <sup>2</sup>	
Mean bending E-modulus	$E_{m,0,mean}$	$\geq 8500$ N/mm <sup>2</sup>	
Mean bending E-modulus	$E_{m,90,mean}$	$\geq 2200$ N/mm <sup>2</sup>	
Modulus of rigidity of panel shear	$f_{v,K}$	3,0 N/mm <sup>2</sup>	
Modulus of rigidity of panel shear	$G_{v,mean}$	300 N/mm <sup>2</sup>	
Strength of planar shear	$f_{r,K}$	0,5 N/mm <sup>2</sup>	
Modulus of rigidity of planar shear	$G_{r,mean}$	20 N/mm <sup>2</sup>	
Moisture Content	$H$	5 - 10 %	EN 322
Density	$\delta$	$\geq 650$ kg/m <sup>3</sup>	EN 323
Bonding Quality		Class 3	EN 314-2
Reaction to Fire		D-s2, do	EN 13986:2004+A1:2015 /13501-1
Determination of dimensions			EN 324
Formaldehyde		E1	EN 13986:2004+A1:2015
Water permeability	$\mu$	70 Wet cup	200 Dry cup EN 13986:2004+A1:2015
Airborne sound insulation	$dB$	NPD	
Sound absorption		NPD	
Thermal conductivity	$p$	0,16 W (mk)	EN 13986:2004+A1:2015
Embedment strength	$f_h$	NPD	
Air permeability	$f$	NPD	

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011 under the sole responsibility of the manufacturer identified above.

Signed and on the behalf of the manufacturer by:

Dina Churinova, Head of Quality Control Department

At Umet on \_\_\_\_\_

Signature \_\_\_\_\_

