

CJSC «Plywood Plant «Vlast Truda»
31 Pereulok Shirokiy
442153 Nizhniy Lomov
Penza Region, Russia

DECLARATION OF PERFORMANCE

1. Unique identification code of the product-type:

01-01: Birch plywood FSF-TV, 9-30mm
02-01: Birch plywood FSF, 4-9 mm
02-02: Birch plywood FSF, 10-30 mm
03-01: Birch plywood FK, 4-9 mm
03-02: Birch plywood FK, 10-30 mm

2. Intended use:

01-01 Structural Plywood in internal humid conditions, 636-2S
02-01 Structural use in humid conditions, EN 636-2S
02-02 Structural use in humid conditions, EN 636-2S
03-01 Structural Plywood in internal dry conditions, 636-1S
03-02 Structural Plywood in internal dry conditions, 636-1S

3. Manufacturer:

CJSC «Plywood Plant «Vlast Truda»
31, per. Shirokiy
442153, Nizhniy Lomov
Penza Region, Russia

5. System of AVCP:

01-01 System1
02-01 System 2+
03-01 System 2+

6. Harmonized standard:

EN 13986:2004+A1:2015

Notified body:

0766 EPH Dresden GmbH

7. Declared performance according to EN 13986:2004+A1:2015:
DOP № 01-01
for product Birch Plywood FSF -TV 9-30 mm

Essential characteristics	Performance values for thickness			According to standard
	9 mm	15 mm	30 mm	
Bending strength class (acc. to EN 636) in length direction ($f_{m,0}$) / width direction ($f_{m,90}$)	F40/20	F35/30	F40/25	EN 310
Modulus of elasticity class in bending (stiffness in bending acc. to EN 636) in length direction ($E_{m,0}$) / width direction ($E_{m,90}$)	E100/40	E100/60	E120/40	EN 310
Bending strength in length direction ($f_{m,0}$) and width direction ($f_{m,90}$) N/mm ²	$F_{m,0} \geq 62,5$ $F_{m,90} \geq 35,7$	$F_{m,0} \geq 59,1$ $F_{m,90} \geq 46,6$	$F_{m,0} \geq 60,4$ $F_{m,90} \geq 41,6$	EN 310
Modulus of elasticity in bending in length direction ($E_{m,0}$) and width direction ($E_{m,90}$) N/mm ²	$E_{m,0} \geq 9427$ $E_{m,90} \geq 3927$	$E_{m,0} \geq 9336$ $E_{m,90} \geq 5619$	$E_{m,0} \geq 12064$ $E_{m,90} \geq 4251$	
Bonding class (acc. to EN 314-2)	2	2	2	EN 314-1
Durability class (Moisture resistance)	2	2	2	EN 314-1
Moisture Content (%)	5-10	5-10	5-10	EN 322
Density (kg/m ³)	900	900	900	EN 323
Formaldehyde emission class	E1	E1	E1	EN 13986:2004+A1:2015
Reaction to fire kg/m ³	B-s1, d0	B-s1, d0	B-s1, d0	EN 13986:2004+A1:2015
Water vapour resistant factor	wet cup: 110 / dry cup: 250 (cwft, $\rho=900$ kg/m)	wet cup: 110 / dry cup: 250 (cwft, $\rho=900$ kg/m)	wet cup: 110 / dry cup: 250 (cwft, $\rho=900$ kg/m)	EN 13986:2004+A1:2015
Airborne sound insulation	NPD	NPD	NPD	
Sound absorption coefficients	0,1 for frequency range 250 Hz to 500 Hz / 0,3 for frequency range 1000 Hz to 2000 Hz	0,1 for frequency range 250 Hz to 500 Hz / 0,3 for frequency range 1000 Hz to 2000 Hz	0,1 for frequency range 250 Hz to 500 Hz / 0,3 for frequency range 1000 Hz to 2000 Hz	EN 13986:2004+A1:2015
Thermal conductivity W/(m*K)	0,24 (cwft, $\rho=900$ kg/m ³)	0,24 (cwft, $\rho=900$ kg/m ³)	0,24 (cwft, $\rho=900$ kg/m ³)	EN 13986:2004+A1:2015

DOP № 02-01
for product Birch Plywood FSF 4-9 mm

Essential characteristics	Performance values for thickness	According to standard
Bending strength in length direction ($f_{m,0}$) and width direction ($f_{m,90}$) N/mm ²	$F_{m,0} \geq 60$ $F_{m,90} \geq 40$	EN 12369-2
Modulus of elasticity in bending in length direction ($E_{m,0}$) and width direction ($E_{m,90}$) N/mm ²	$E_{m,0} \geq 8500$ $E_{m,90} \geq 2200$	
Modulus of rigidity of panel shear, $G_{v,mean}$ N/mm ²	300	
Modulus of rigidity of panel shear, $f_{v,K}$ N/mm ²	3	
Strength of planar shear, $f_{r,K}$ N/mm ²	0,5	
Modulus of rigidity of planar shear, $G_{r,mean}$ N/mm ²	20	
Bonding class,	3	EN 314-2
Moisture Content (%)	5-10	EN 322
Density (kg/m ³)	≥ 650	EN 323
Formadehyde emission class	E1	EN 13986:2004+A1:2015
Reaction to fire (for boards with a density greater than 400 kg/m ³ and with a thickness greater than 9 mm, with or without an air gap behind the wood-based panel)	E	EN 13986:2004+A1:2015/13501-1
Water vapour permeability	wet cup: 200 / dry cup: 70	EN 13986:2004+A1:2015
Thermal conductivity, ρ W(mk)	0.16	EN 13986:2004+A1:2015
Airbone sound insulation, dB	NPD	
Sound absorption	NPD	

DOP № 02-02
for product Birch Plywood FSF 10-30 mm

Essential characteristics	Performance values for thickness	According to standard
Bending strength in length direction ($f_{m,0}$) and width direction ($f_{m,90}$) N/mm ²	$F_{m,0} \geq 60$ $F_{m,90} \geq 40$	EN 12369-2
Modulus of elasticity in bending in length direction ($E_{m,0}$) and width direction ($E_{m,90}$) N/mm ²	$E_{m,0} \geq 8500$ $E_{m,90} \geq 2200$	
Modulus of rigity of panel shear, $G_{v,mean}$ N/mm ²	300	
Modulus of rigity of panel shear, $f_{v,K}$ N/mm ²	3	
Strength of planar shear, $f_{r,K}$ N/mm ²	0,5	
Modulus of rigidity of planar shear, $G_{r,mean}$ N/mm ²	20	
Bonding class	3	
Moisture Content (%)	5-10	EN 322
Density (kg/m ³)	≥ 650	EN 323
Formadehyde emission class	E1	EN 13986:2004+A1:2015
Reaction to fire (for boards with a density greater than 400 kg/m ³ and with a thickness greater than 9 mm, with or without an air gap behind the wood-based panel)	D-s2, d0	EN 13986:2004+A1:2015/13501-1
Water vapour permeability	wet cup: 200 / dry cup: 70	EN 13986:2004+A1:2015
Thermal conductivity, ρ W(mk)	0.16	EN 13986:2004+A1:2015
Airbone sound insulation, dB	NPD	
Sound absorpton	NPD	

DOP № 03-01**for product Birch Plywood FK 4-9 mm**

Essential characteristics	Performance values for thickness 4-9mm	According to standard
Bending strength in length direction ($f_{m,0}$) and width direction ($f_{m,90}$) N/mm ²	$F_{m,0} \geq 90$ $F_{m,90} \geq 46,7$	EN 310
Modulus of elasticity in bending in length direction ($E_{m,0}$) and width direction ($E_{m,90}$) N/mm ²	$E_{m,0} \geq 6591$ $E_{m,90} \geq 2736$	
Bonding class	1	EN 314-2
Durability (Moisture resistance)	1	EN 314-1
Moisture Content (%)	5-10	EN 322
Density (kg/m ³)	≥ 600	EN 323
Formaldehyde emission class	E1	EN 13986:2004+A1:2015
Reaction to fire (for boards with a density greater than 400 kg/m ³ and with a thickness greater than 9 mm, with or without an air gap behind the wood-based panel)	E	EN 13986:2004+A1:2015
Water vapour permeability	wet cup: 200 / dry cup: 70	EN 13986:2004+A1:2015
Airborne sound insulation	NPD	
Sound absorption	NPD	

DOP № 03-02**for product Birch Plywood FK 10-30 mm**

Essential characteristics	Performance values for thickness, 10-30 mm	According to standard
Bending strength in length direction ($f_{m,0}$) and width direction ($f_{m,90}$) N/mm ²	$F_{m,0} \geq 81,6$ $F_{m,90} \geq 79,5$	EN 310
Modulus of elasticity in bending in length direction ($E_{m,0}$) and width direction ($E_{m,90}$) N/mm ²	$E_{m,0} \geq 6466$ $E_{m,90} \geq 5637$	
Bonding class	1	EN 314-2
Durability (Moisture resistance)	1	EN 314-1
Moisture Content (%)	5-10	EN 322
Density (kg/m ³)	≥ 600	EN 323
Formaldehyde emission class	E1	EN 13986:2004+A1:2015
Reaction to fire (for boards with a density greater than 400 kg/m ³ and with a thickness greater than 9 mm, with or without an air gap behind the wood-based panel)	D-s2, D0	EN 13986:2004+A1:2015
Water vapour permeability	wet cup: 200 / dry cup: 70	EN 13986:2004+A1:2015
Airborne sound insulation	NPD	
Sound absorption	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:

Elena Zubkova, Head of Quality Control Department

At Nizhny Lomov on

Signature

