



# Declaration of Performance

No. 0001-DFK-2013/07/01

1. Identification code **Birch plywood FSF  
F 60/50 E 70/40  
4 - 60 mm**
  
2. Type number, according to article 11 (5) EU No. 305  
**GOST 3916.1-96**
  
3. Building product for structural use in humid conditions, **EN 636-2S**
  
4. Manufacturer:  
  
**Demidovskiy Fanernij Kombinat  
601241 der.Demidovo, Vladimirskaj obl.  
Russia**
  
6. System 2+
  
7. Notified factory certification body institute,

**0765**

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

performed the initial inspection of the manufacturer plant and factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control with number: **765-CPD-379**

9. Declared performance according to EN 13986:2004, Birch Plywood 636-2S:

Essential characteristics EN 636-2S		Performance		Harmonised technical specification
Release of Formaldehyde		E 1		EN 717-1
density	$\rho$	>600 kg/m <sup>3</sup>		EN 323:1993
Bending strength	$f_{m,05}$	0	60 N/mm <sup>2</sup>	EN 12369-2: 2011
		90	50 N/mm <sup>2</sup>	
Tension and compression strength	$F_{t-c,05}$	0	24 N/mm <sup>2</sup>	
		90	25 N/mm <sup>2</sup>	
Panel shear strength	$f_v$	5,7 N/mm <sup>2</sup>		
Planar shear strength	$f_r$	0,9 N/mm <sup>2</sup>		
Bending stiffness (MOE)	$E_{m,05}$	0	7000 N/mm <sup>2</sup>	
		90	4000 N/mm <sup>2</sup>	
Tension and compression stiffness (MOE)	$E_{t-c,05}$	0	3500 N/mm <sup>2</sup>	
		90	3900 N/mm <sup>2</sup>	
Panel shear stiffness	$G_v$	440 N/mm <sup>2</sup>		
Planar shear stiffness	$G_r$	44 N/mm <sup>2</sup>		
Mechanical duration of load and creep	$K_{def}$	1,00		EN 1995-1-1:2004 +AC2006+A1:2008
	$K_{mod}$	0,60		
Reaction to fire		D-s2,d0		EN 13986: 2004
Sound absorption	$\alpha$	250-500 Hz	0,10	
		1000-2000 Hz	0,30	
Water vapour permeability	$\mu$ wet cup	80		
	$\mu$ dry cup	210		
Thermal conductivity	$\lambda$	0,15 W/(mK)		
Bonding quality	Class 2			EN 314-2:1993
Biological durability	Service class 2			EN 335:1995

10. The performance of the product identified in points 1 and 2 in conformity with the declared performance in point 8.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on the behalf of the manufacturer by:

..... Chief Technologist.....

(name und function)

Ivanova L.N.

(signature)

 1/07/2013.

data