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## DECLARATION OF PERFORMANCE, BIRCH PLYWOOD

### No. SFKHA100NF

- Unique identification code of the product-type:  
Non-structural birch plywood, uncoated or coated, 4-40 mm
- Intended uses:  
For internal use as a non-structural component in dry conditions, EN 636-1  
For protected external use as a non-structural component in humid conditions, EN 636-2
- Manufacturer:  
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[www.sfkplywood.com](http://www.sfkplywood.com)
- System of AVCP:  
AVCP system 4
- Declared performance:

Essential characteristics	Performance	Harmonised standard
Point load strength and stiffness	NPD	EN 13986:2004+A1:2015
Racking resistance	NPD	
Impact resistance	NPD	
Water vapour permeability $\mu$	Wet 90, dry 220 (uncoated)	
	Mean density 680 kg/m <sup>3</sup>	
Release of formaldehyde	E1	
Content of pentachlorophenol (PCP)	≤ 5 ppm	
Airborne sound insulation	NPD	
Sound absorption $\alpha$	0,10/0,30	
Thermal conductivity $\lambda$	0,17 W/mK	
Embedment strength	NPD	
Air permeability	NPD	
Bonding quality (acc. to EN 314-2)	Class 3	
Biological durability	Use class 2	

Reaction to fire			
End use condition (6)	Minimum thickness (mm)	Class (7) (excluding floorings)	Class (8) (floorings)
Without an air gap behind the wood-based panel (1), (2), (5)	9	D-s2, d0	Dfl-s1
With a closed or an open air gap not more than 22 mm behind the wood-based panel (3), (5)	9	D-s2, d2	–
With a closed air gap behind the wood-based panel (4), (5)	15	D-s2, d1	Dfl-s1
With an open air gap behind the wood-based panel (4), (5)	18	D-s2, d0	Dfl-s1
Any (5)	4	E	Efl

- (1) Mounted without an air gap directly against class A1 or A2-s1, d0 products with minimum density 10kg/m<sup>3</sup> or at least class D-s2, d2.  
 (2) A substrate of cellulose insulation material of at least class E may be included if mounted directly against the wood-based panel, but not for floorings.  
 (3) Mounted with an air gap behind. The reverse face of the cavity shall be at least class A2-s1, d0 products with minimum density 10 kg/m<sup>3</sup>.  
 (4) Mounted with an air gap behind. The reverse face of the cavity shall be at least class D-s2, d2 products with minimum density 400 kg/m<sup>3</sup>.  
 (5) Veneered, phenol- and melamine-faced panels are included for class excl. floorings.  
 (6) A vapour barrier with a thickness up to 0,4 mm and a mass up to 200 g/m<sup>2</sup> can be mounted in between the wood-based panel and a substrate if there are no air gaps in between.  
 (7) Class as provided for in Table 1 of the Annex to Decision 2000/147/EC.  
 (8) Class as provided for in Table 2 of the Annex to Decision 2000/147/EC.

Multi-coated birch plywood	End use condition: any	F
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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 for and on behalf of the manufacturer by:

Petropavlovsk, Kazakhstan, October 27<sup>th</sup>, 2022.



Oguzhan Chelik,

Director of SFK Birkenperrholz Factory.