

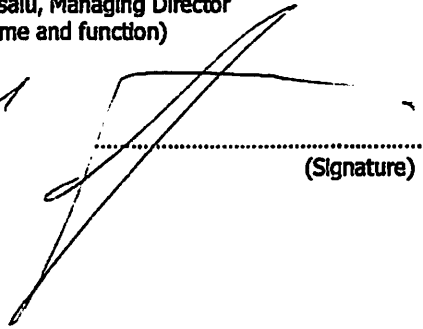
9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Jürgen Ainsalu, Managing Director  
(Name and function)

*Tübingen, Estonia, 19.02.2021*

.....  
(Place and date of issue)

  
.....  
(Signature)

<b>DECLARATION OF PERFORMANCE (DoP)</b>
<b>No. EPW-DoP-1003</b>

1.	Product Type	Birch plywood
2.	Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4)	<b>ESTPLY BIRCH</b> uncoated, phenolic-formaldehyde resin <b>ESTPLY FORM</b> coated, phenolic-formaldehyde resin <b>ESTPLY DECK</b> coated, phenolic-formaldehyde resin
3.	Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification as foreseen by the manufacturer	<b>EN 636-1 birch plywood.</b> For internal use as a structural component in dry condition. <b>EN 636-2 birch plywood.</b> For internal use as structural component in humid conditions and for protected external use. <b>EN 636-3 birch plywood.</b> For external use as a structural component with coating and edge sealing
4.	Name, registered trade name or registered trademark and contact address of the manufacturer as required under Article 11 (5)	ESTPLY Estonian Plywood AS Kase, Viruvere, 48435 Jõeava vald, Estonia
5.	Systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:	EN 13986:2004+A1:2015 AVCP system 2+
6.	In case of the declaration of performance concerning a construction, product covered by a harmonized standard	Notified product certification body KIWA no. 1336 carried out: <ul style="list-style-type: none"> <li>- an assessment of the performance of the construction product carried out on the basis of testing (including sampling), calculation, tabulated values or descriptive documentation of the product.</li> <li>- initial inspection of the manufacturing plant and of factory production control.</li> <li>- continuing surveillance, assessment and evaluation of factory production control and issued the certificate of constancy of performance of the product.</li> </ul>



|| = parallel to the face grain ⊥ = perpendicular to the face grain

8.  Essential characteristics		Declared performance															
		Standard	Unit	Sanded birch plywood nominal thickness, mm													
				4	6,5	9	12	15	18	21	24	27	30	35	40	45	50
				Number of plies													
Density	EN 323	Kg/m <sup>3</sup>	Mean 680 kg/m <sup>3</sup>														
Characteristic bending strength	EN 789	N/mm <sup>2</sup>	65,9	50,9	45,6	42,9	41,3	40,2	39,4	38,9	38,4	38,1	37,6	37,2	37,0	36,8	
			10,6	29,0	32,1	33,2	33,8	34,1	34,3	34,4	34,5	34,6	34,7	34,7	34,8	34,8	
Mean modulus of elasticity in bending	EN 789	N/mm <sup>2</sup>	16471	12737	11395	10719	10316	10048	9858	9717	9607	9519	9389	9296	9243	9198	
			1029	4763	6105	6781	7184	7452	7642	7783	7893	7981	8111	8204	8257	8302	
Bonding quality Release of formaldehyde	EN 314-2	class	Class 3														
	EN 717-1	class	E1														
Water vapour permeability	EN 13986+A1	μ	NPD														
Sound absorption	EN 13986+A1	coefficient	NPD														
Thermal conductivity	EN 13986+A1	W m <sup>-1</sup> K <sup>-1</sup>	NPD														
Biological Durability	EN 335	class	Use class 2 (uncoated)							Use class 3 coated and edge sealed)							
Mechanical durability	EN 1995-1-1	K <sub>mod</sub> K <sub>def</sub>	K <sub>mod</sub> and K <sub>def</sub> values according to EN 1995-1-1														

Reaction to fire EN 13986+A; EN 13501-1			
End use condition	Minimum thickness	Class excluding flooring	Class flooring
Without an air gap behind the wood-based panel	9	D-s2,d0	Df-s1
With a closer or an open air gap not more than 22 mm behind the wood-based panel	9	D-s2,d2	-
With a closed air gap behind the wood-based panel	15	D-s2,d1	Df-s1
With an open air gap behind the wood-based panel	18	D-s2,d0	Df-s1

## ESTPLY BIRCH

**Standard size** 1500/1525 mm x 2500/3000/3050/3300 mm

Size Tolerance	LENGTH/WIDTH	TOLERANCE
	<1000 mm	±1 mm
	1000–2000 mm	±2 mm
	>2000 mm	±3 mm

**Standard Thickness** 4-> 50 mm

Thickness Tolerance	NOMINAL THICKNESS (mm)	THICKNESS TOLERANCE		NUMBER OF PLIES
		min. (mm)	max. (mm)	
	4	3.5	4.1	3
	6.5	6.1	6.9	5
	9	8.8	9.5	7
	12	11.5	12.5	9
	15	14.3	15.3	11
	18	17.1	18.1	13
	21	20.0	20.9	15
	24	22.9	23.7	17
	27	25.2	26.8	19
	30	28.1	29.9	21
	35	33.5	35.5	25
	40	38.8	41.2	29
	45	43.6	46.4	32
	50	48.5	51.5	35

**Grades** S, BB, WG, WGE, PQ

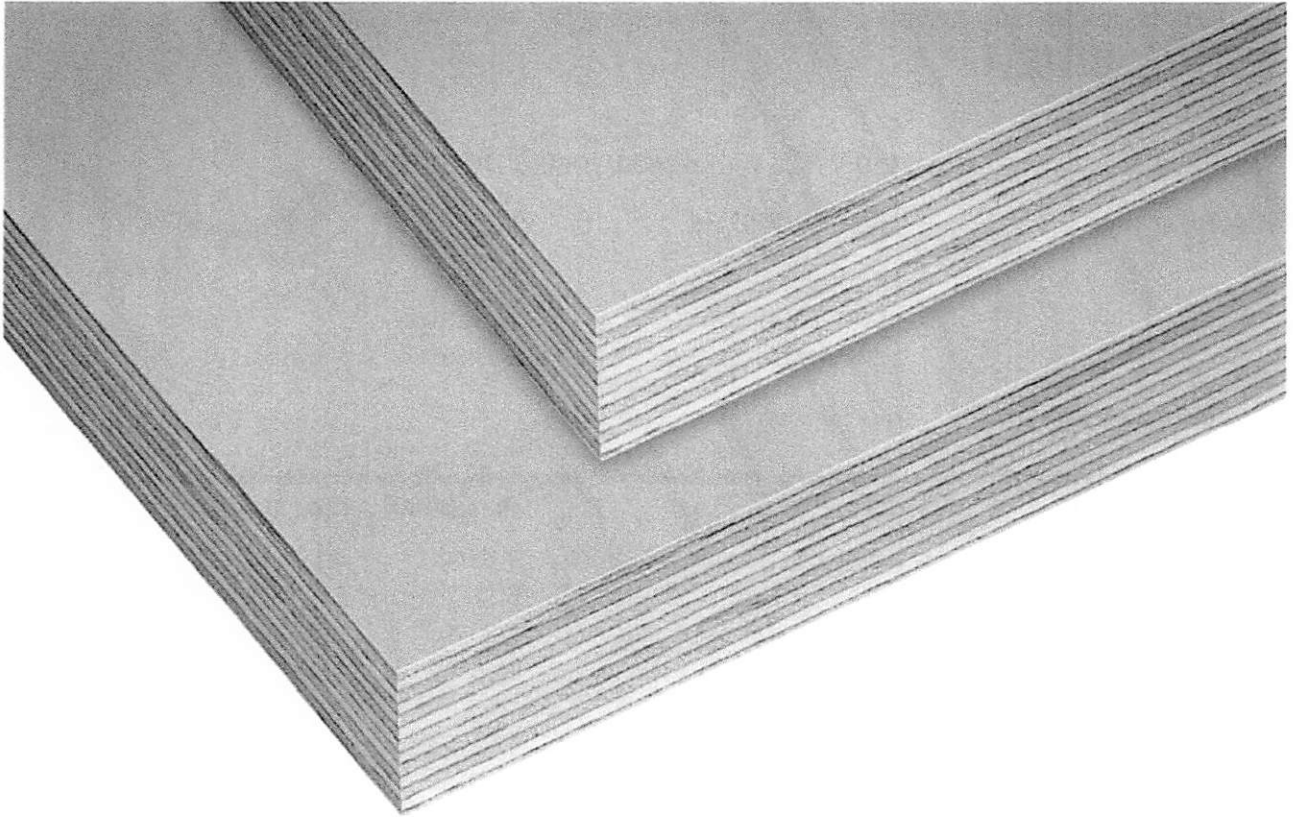
**Density** kg/m<sup>3</sup> 640-700

**Glue type** Phenol formaldehyde adhesive

**Emission Class** E1 according to EN717-1 EPA 40 CFR, TSCA Title VI

**Machining** Estply plywood panels can be machined according to customer specification

**Other Data** Chain of Custody, EN 13986, EN 636 1-2-3 S



## ESTPLY BIRCH

**Rigid but light all-around plywood board**

ESTPLY BIRCH plywood panel is made of cross bonded birch veneers. The cross grain face veneers are offered in different quality grades according to your needs.

The outstanding strength properties makes it perfect for various kinds of demanding applications like vehicle industry, construction, and wood flooring.

We take the carbon emissions seriously. Our birch logs come only from well managed forests, and we process the precious raw material with care and respect.



**Strong**



**Sustainable**



**Great for  
machining**