DECLARATION OF PERFORMANCE (DoP)
No. EPW-DoP-1003

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)	**ESTPLY BIRCH uncoated, phenolic-formaldehyde resin** **ESTPLY FORM coated, phenolic-formaldehyde resin** **ESTPLY DECK 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	**EN 636-1 birch plywood.** For internal use as a structural component in dry condition. **EN 636-2 birch plywood.** For internal use as structural component in humid conditions and for protected external use. **EN 636-3 birch plywood.** 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 Jõeva 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: - 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. - initial inspection of the manufacturing plant and of factory production control. - continuing surveillance, assessment and evaluation of factory production control and issued the certificate of constancy of performance of the product.

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

8. Essential characteristics		Standard	Unit	Declared performance													
				Sanded birch plywood nominal thickness, mm													
				4	**6,5**	**9**	**12**	**15**	**18**	**21**	**24**	**27**	**30**	**35**	**40**	**45**	**50**
				Number of plies													
				3	*5*	*7*	*9*	*11*	*13*	*15*	*17*	*19*	*21*	*25*	*29*	*32*	*35*
Density		EN 323	Kg/m3	Mean 680 kg/m3													
Characteristic bending strength	||	EN 789	N/mm2	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/mm2	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		EN 314-2	class	Class 3													
Release of formaldehyde	⊥	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 -1 K -1	NPD													
Biological Durability		EN 335	class	Use class 2 (uncoated) Use class 3 coated and edge sealed)													
Mechanical durability		EN 1995-1-1	Kmod Kdef	Kmod and Kdef 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	Dfl-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	Dfl-s1
With an open air gap behind the wood-based panel	18	D-s2,d0	Dfl-s1

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)

Viimsi, Estonia, 19.02.2021
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(Place and date of issue)

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(Signature)