LATVIJAS FINIERIS
AKCIJU SABIEDRĪBA

DECLARATION OF PERFORMANCE Nr. LF – CPR/CE – DoP - 02

1. **Unique identification code of the product-type:**

   Riga ® structural birch plywood. Uncoated or overlaid. Phenol formaldehyde adhesive (exterior gluing quality)

2. **Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):**

   Riga ® structural birch plywood. Uncoated or overlaid. Phenol formaldehyde adhesive (exterior gluing quality)

3. **Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:**
   Structural elements for internal application in dry and humid conditions. EN 636-2
   Structural elements for internal or protected external application in dry and humid conditions in limited wetting conditions above ground . EN-636-3

4. **Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):**

   Riga Wood Finland Oy
   Sastamala mill
   Asemakatu 38-40
   FI-38210 Sastamala, Finland

6. **System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:**
   AVCP System 2+

7. **In case of the declaration of performance concerning a construction product covered by a harmonized standard:**

   VTT Expert Services Ltd, Notified production control certification body No. 0809, performed initial inspection of the manufacturing plant and of factory production control and performs continuous surveillance, assessment and evaluation of factory production control under system 2+ and issued the certificate of conformity of the factory production control:

   0809-CPR-1057

9. Declared performance

Harmonised technical specification EN 13986+A1:2015

Essential charasteristics			PERFORMANCE													
			Sanded birch plywood													
			Nominal thickness, mm													
Strength and stiffness for structural use:			4	6,5	9	12	15	18	21	24	27	30	35	40	45	50
			Number of plies													
	Standard	Unit	3	5	7	9	11	13	15	17	19	21	25	29	32	35
Charasteristic 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
Charasteristic bending strength ⊥	EN 789	N/mm²	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
Mean modulus of elasticity in bending ⊥	EN 789	N/mm²	1029	4763	6105	6781	7184	7452	7642	7783	7893	7981	8111	8204	8257	8302
Charasteristic compression strength ∥	EN 789	N/mm²	31,8	29,3	28,3	27,7	27,4	27,2	27,0	26,9	26,8	26,7	26,6	26,5	25,6	26,4
Charasteristic compression strength ⊥	EN 789	N/mm²	20,2	22,8	23,7	24,3	24,6	24,8	25,0	25,1	25,2	25,3	25,4	25,5	26,4	25,6
Charasteristic tension strength ∥	EN 789	N/mm²	45,8	42,2	40,8	40,0	39,5	39,2	39,0	38,8	38,7	38,5	38,4	38,3	37,0	38,1
Charasteristic tension strength ⊥	EN 789	N/mm²	29,2	32,8	34,2	35,0	35,5	35,8	36,0	36,2	36,3	36,5	36,6	36,8	38,0	36,9
Mean modulus of elasticity in compression/tension ∥	EN 789	N/mm²	10694	9844	9511	9333	9223	9148	9093	9052	9019	8993	8953	8925	8631	8895
Mean modulus of elasticity in compression/tension ⊥	EN 789	N/mm²	6806	7656	7989	8167	8277	8352	8407	8448	8481	8507	8547	8575	8869	8605
Charasteristic panel shear strength for all thicknesses ∥	EN 789	N/mm²	9,5													
Charasteristic panel shear strength for all thicknesses ⊥	EN 789	N/mm²	9,5													
Mean modulus of rigidity in panel shear for all thicknesses ∥	EN 789	N/mm²	620													
Mean modulus of rigidity in panel shear for all thicknesses ⊥	EN 789	N/mm²	620													
Charasteristic planar shear strength ∥	EN 789	N/mm²	2,77	3,20	2,68	2,78	2,62	2,67	2,59	2,62	2,57	2,59	2,57	2,56	2,55	2,54
Charasteristic planar shear strength ⊥	EN 789	N/mm²	-	1,78	2,35	2,22	2,39	2,34	2,41	2,39	2,43	2,41	2,43	2,44	2,47	2,46
Mean modulus of rigidity in planar shear ∥	EN 789	N/mm²	169	199	206	207	207	206	206	206	205	205	204	204	192	203
Mean modulus of rigidity in planar shear ⊥	EN 789	N/mm²	-	123	155	170	178	183	186	189	190	192	193	195	208	196

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

Harmonised technical specification EN 13986+A1:2015

Essential charasteristics			PERFORMANCE			
	Standard	**Unit**				
Bonding quality	EN 314	class	3 (exterior)			
Release of formaldehyde	EN 13986+A1, EN 717-2	class	E1			
Reaction to fire	EN13986+A1 EN13501-1	class	**End use condition**	**Minimun thickness (mm)**	**Class (excluding floorings)**	**Class (floorings)**
			Without an air gap behind the panel	9	D-s2, d0	D_{FL}-s1
			With a closed or an open air gap not more than 22 mm behind the panel	9	D-s2, d2	-
			With a closed air gap behind the panel	15	D-s2, d1	D_{FL}-s1
			With an open air gap behind the panel	18	D-s2, d0	D_{FL}-s1
			Any	3	E	E_{FL}
Water vapour permeability	EN13986+A1	μ	Wet cup	88		
			Dry cup	218,0		
Airborne sound insulation	EN13986+A1		NPD			
Sound absorption	EN13986+A1	coeffic.	0,10 (250 Hz - 500 Hz) 0,30 (1000 Hz - 2000 Hz)			
Thermal conductivity	EN13986+A1	$W\,m^{-1}K^{-1}$	0,17			
Racking resistance			NPD			
Embedment strength			NPD			

NPD- "no performance determined" acc.to CPR 305/2011 Article 6 para.3 (f)

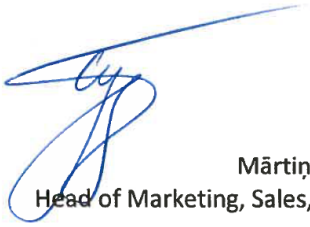
			Service class	**Permanent action**	**Long term action**	**Medium term action**	**Short term action**	**Instantaneous action**
Mechanical durability	EN 1995-1-1	k_{mod}	1	0,60	0,70	0,80	0,90	1,10
			2	0,60	0,70	0,80	0,90	1,10
			3	0,50	0,55	0,65	0,70	0,90
		k_{def}	**Service class 1**				0,80	
			Service class 2				1,00	
			Service class 3				2,50	
Biological durability	EN 335	class	**Uncoated or overlaid**				Use class 2	
			Overlaid and edges protected				Use class 3	

10. 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.

11. This information is presented for consumer as general information on technical specification and other characteristics of products manufactured by Riga Wood Finland Oy Sastamala mill. Any other conditions (e.g., guaranties) shall be agreed separately, by signing respective agreement. Any claim for compensation is limited to the value of the defective panels.

12. The signed English version of this document is the official.

Signed for and on behalf of the manufacturer by:



Mārtiņš Lācis
Head of Marketing, Sales, Purchasing and Logistics

Riga, 30.11.2016