

**DECLARATION OF PERFORMANCE Nr. LF-CPR/CE-DoP-01****1. Unique identification code of the product-type:**

Riga<sup>®</sup> 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 CPR Article 11(4):**

Riga<sup>®</sup> 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 CPR Article 11(5):**

Latvijas Finieris AS  
Bauskas iela 59  
Rīga  
LV-1004 Latvia

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

AVCP System 2+

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

*Fraunhofer-Institut for Wood Research, Wilhelm-Klauditz Institut*, Notified production control certification body No.0765 and *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:

**Mill Lignums**

Finiera iela 6  
Rīga, Latvia, LV-1016  
0765-CPR-0372

**Mill Furniers**

Bauskas iela 59  
Rīga, Latvia, LV-1004  
0765-CPR-0373

**Verems RSEZ SIA**

Lejas Ančupāni Verēmu pagasts  
Rēzeknes rajons, Latvia, LV-4604  
0765-CPR-0499

**OÜ Kohila Vineer**

Jõe tn.21 Kohila  
79808 Raplamaa, Estonia  
0809-CPR-1200

**9. Declared performance****Harmonised technical specification EN 13986+A1:2015**

Essential characteristics			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														
	Standard	Unit	3	5	7	9	11	13	15	17	19	21	25	29	32	35	
Density	EN323	kg/m <sup>3</sup>	lower 5% quantile 670, upper 5% quantile 760														
Bending strength <sup>1, 2</sup>	EN310	F class EN636		50	50	40	40	40	40	35	35	35	35	35	35	35	
			⊥	15	25	35	35	35	35	30	30	30	30	30	30	30	30
Bending stiffness <sup>1, 2</sup>	EN310	E class EN636		100	90	90	80	80	80	80	80	80	70	70	70	70	
			⊥	10	30	40	50	60	60	60	60	60	60	60	60	60	60
Characteristic bending strength <sup>3</sup>	EN 789	N/mm <sup>2</sup>		75,3	58,2	52,1	49,0	47,2	45,9	45,1	44,4	43,9	43,5	42,9	42,5	42,3	42,0
			⊥	12,1	33,2	36,7	38,0	38,6	38,9	39,2	39,3	39,4	39,5	39,6	39,7	39,7	39,7
Characteristic bending stiffness <sup>3</sup>	EN 789	N/mm <sup>2</sup>		16941	13101	11720	11026	10611	10335	10140	9994	9881	9791	9657	9562	9507	9461
			⊥	1059	4899	6280	6974	7389	7665	7860	8006	8119	8209	8343	8438	8493	8539
Airborne sound insulation <sup>4</sup>	EN13996+A1	dB	-	-	24,5	26,1	27,4	28,4	29,3	30,0	30,7	31,3	32,3	32,9	33,6	34,2	
Bonding quality	EN314	class	3 (exterior)														
Release of formaldehyde	EN13986+A1 EN717-2	class	E1														
Reaction to fire	EN13986+A1 EN13501-1	class	End use condition	Minimum thickness, mm				Class (excluding floorings)				Class, floorings					
			without an air gap behind the panel	9				D-s2, d0				D <sub>fl</sub> -s1					
			with a closed or an open air gap not more than 22mm behind the panel	9				D-s2, d2				-					
			with a closed air gap behind the panel	15				D-s2, d1				D <sub>fl</sub> -s1					
			with an open air gap behind the panel	18				D-s2, d0				D <sub>fl</sub> -s1					
			any	3				E				E <sub>fl</sub>					

|| = parallel to the face grain

⊥ = perpendicular to the face grain

<sup>1</sup> Plywood moisture content 8± 2%

<sup>2</sup> Riga Ply classification according to EN 636

<sup>3</sup> According to VTT Technical Research Centre of Finland research report No.RTE 3367/04

<sup>4</sup> For calculation used average density 715 kg/m<sup>3</sup>

**Harmonised technical specification EN 13986+A1:2015**

Essential characteristics			PERFORMANCE					
	Standard	Unit						
Water vapour permeability	EN13986+A1	$\mu$	Wet cup	90				
			Dry cup	220				
Sound absorption	EN13986+A1	coeffic.	Frequency range 250 Hz - 500 Hz	0,10				
			Frequency range 1000 Hz - 2000 Hz	0,30				
Thermal conductivity	EN13986+A1	$W m^{-1} K^{-1}$	0,17					
Biological durability	EN335	class	Uncoated or overlaid	Use class 2				
			Overlaid and with protected edges	Use class 3				
Mechanical durability	EN1995-1-1	$K_{mod}$	Service class	Permanent action	Long term action	Medium term action	Short term action	Instantan. action
			1	0,60	0,70	0,80	0,90	1,10
			2	0,60	0,70	0,80	0,90	1,10
		$K_{def}$	3	0,50	0,55	0,65	0,70	0,90
			Service class 1	0,80				
			Service class 2	1,00				
			Service class 3	2,50				
Racking resistance			NPD					
Embedment strength			NPD					

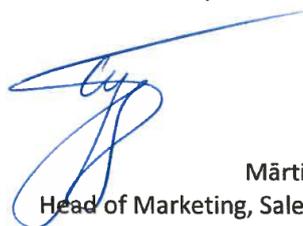
NPD- "no performance determined" acc.to CPR 305/2011 Article 6 para.3 (f)

**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 Latvijas Finieris AS mills Lignums and Furniers, Verems RSEZ SIA and OÜ Kohila Vineer. 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

## Certificate of Factory Production Control

**0765-CPR-0372**

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

### **Birch plywood EN 636-3 S**

**phenol-formaldehyde (PF) | unfaced/laminated | unfaced (EN 636-1 and EN 636-2) for use as structural components in dry and humid conditions; laminated and edge sealed (EN 636-3) for external use as structural components | birch plywood**

placed on the market by

**A/S Latvijas Finieris**  
**Bauskas iela 59**  
**1004 Riga**  
**Latvia**

and produced in the factory

**A/S Latvijas Finieris**  
**mill "Lignums"**  
**Finiera iela 6**  
**1016 Riga**  
**Latvia**

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

**EN 13986:2004+A1:2015**

under system 2+ are applied and that the factory production control fulfills all the prescribed requirements set out above.

This certificate was first issued on 13 February 2014 and will remain valid as long as the test methods and factory production control requirements included in the harmonized standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

Braunschweig, 2 February 2017



**Dipl.-Ing. Harald Schwab**  
Head of the Testing, Supervision  
and Certifying Body



Mitglied des Verbandes der  
Materialprüfungsanstalten

Vorstand der Fraunhofer-Gesellschaft  
Prof. Dr.-Ing. habil. Prof. E.h. Dr.-Ing. E.h. mult. Dr. h.c.  
Reimund Neugebauer, Präsident  
Prof. (Univ. Stellenbosch) Dr. rer. pol. Alfred Gossner  
Prof. Dr. rer. publ. ass. iur. Alexander Kurz  
Prof. Dr. rer. nat. Georg Rosenfeld

Fraunhofer-Gesellschaft zur Förderung  
der angewandten Forschung e. V., München

WKI ist eine eingetragene Marke  
der Fraunhofer Gesellschaft

## CERTIFICATE OF CONFORMITY OF THE FACTORY PRODUCTION CONTROL

**0809 - CPR - 1200**

In compliance with *Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011* (the Construction Products Regulation or CPR), this certificate applies to the construction product

### STRUCTURAL PLYWOOD

manufactured from birch (*Betula species*) veneers  
using a phenol-formaldehyde adhesive  
as uncoated (EN 636-1 and EN 636-2) for use in dry and humid conditions or  
overlaid and edge protected (EN 636-3) for use in exterior conditions;

placed on the market under the name or trade mark of

#### **Latvijas Finieris AS**

Bauskas iela 59  
Riga LV-1004, Latvia

and produced in the manufacturing plant

#### **Kohila Vineer OÜ**

Jõe tn. 21 Kohila  
EE-79808, Raplamaa, Estonia.

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s)

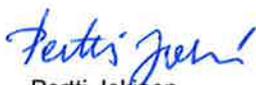
**EN 13986:2004+A1:2015**

under system 2+ are applied and that

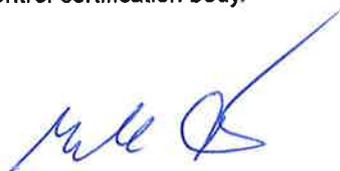
**the factory production control is assessed to be in conformity with the applicable requirements.**

This certificate was first issued on November, 22, 2016 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified factory production control certification body.

Espoo November 22, 2016



Pertti Jokinen  
Product Manager



Mikael Fonselius  
Lead Assessor

## Certificate of Factory Production Control

**0765-CPR-0499**

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

### **Birch plywood EN 636-3 S**

**phenolic-formaldehyde (PF) | unfaced/laminated | unfaced (EN 636-1 and EN 636-2) for use as structural components in dry and humid conditions; laminated and edge sealed (EN 636-3) for external use as structural components | birch plywood**

placed on the market by

**A/S Latvijas Finieris  
Bauskas iela 59  
1004 Riga  
Latvia**

and produced in the factory

**A/S Latvijas Finieris  
mill "Verems"  
Lejas Ancupani  
4604 Veremu parish  
Latvia**

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

**EN 13986:2004+A1:2015**

under system 2+ are applied and that the factory production control fulfills all the prescribed requirements set out above.

This certificate was first issued on 13 February 2014 and will remain valid as long as the test methods and factory production control requirements included in the harmonized standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

Braunschweig, 2 February 2017



**Dipl.-Ing. Harald Schwab**  
Head of the Testing, Supervision  
and Certifying Body

## Certificate of Factory Production Control

**0765-CPR-0373**

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

### Birch plywood EN 636-3 S

**phenolic-formaldehyde (PF) | unfaced/laminated | unfaced (EN 636-1 and EN 636-2) for use as structural components in dry and humid conditions; laminated and edge sealed (EN 636-3) for external use as structural components | birch plywood**

placed on the market by

**A/S Latvijas Finieris  
Bauskas iela 59  
1004 Riga  
Latvia**

and produced in the factory

**A/S Latvijas Finieris  
mill "Furniers"  
Bauskas iela 59  
1004 Riga  
Latvia**

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

**EN 13986:2004+A1:2015**

under system 2+ are applied and that the factory production control fulfills all the prescribed requirements set out above.

This certificate was first issued on 13 February 2014 and will remain valid as long as the test methods and factory production control requirements included in the harmonized standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

Braunschweig, 2 February 2017



**Dipl.-Ing. Harald Schwab**  
Head of the Testing, Supervision  
and Certifying Body



Vorstand der Fraunhofer-Gesellschaft  
Prof. Dr.-Ing. habil. Prof. E.h. Dr.-Ing. E.h. mult. Dr. h.c.  
Reimund Neugebauer, Präsident  
Prof. (Univ. Stellenbosch) Dr. rer. pol. Alfred Gossner  
Prof. Dr. rer. publ. ass. iur. Alexander Kurz  
Prof. Dr. rer. nat. Georg Rosenfeld

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