SIA „KRONOSPAN Riga“
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DECLARATION OF PERFORMANCE
No. OSB3-CPR-2013-07-01-13

1. Unique identification code of the product-type:
OSB 3 unsanded

2. Intended use or uses of the construction product:
For internal use as a structural component in humid conditions
(OSB/3 acc. EN 300 is load-bearing boards for use in humid conditions)

3. Name and contact address of the manufacturer:
SIA “KRONOSPAN Riga”
Daugavgrivas soseja 7B, LV-1016, Riga, Latvia
Business ID: 40003774690
www.kronospan.com

4. System of assessment and verification of constancy of performance:
System 2+

5. Harmonised standard:
EN 13986:2004 + A1:2015

6. The notified factory production control certification body:
Fraunhofer-Institute for Wood Research
Wilhelm-Klauditz-Institute WKI
Riedenkamp 3, 38108 Braunschweig, Germany
Notified body no. 0765

The notified factory production control certification body- **Wilhelm-Klauditz-Institute WKI, Germany -** performed initial inspection of the manufacturing plant and of factory production control and performs continuous surveillance, assessment and evaluation of factory production control under the system 2+ as described in harmonised standard **EN 13986:2004+A1:2015.**

Notified body issued the certificate of conformity of the factory production control **No. 0765-CPR-778**

7. Declared performance

Specification		Performance Boards thickness in mm				Harmonised technical specification
		9 – 10 mm	> 10 – 18	> 18 - 25	> 25 - 30	
Bending strength acc. EN 310	Major axis	22 MPa	20 MPa	18 MPa	16 MPa	Technical class OSB/3 acc. to EN 300
	Minor axis	11 MPa	10 MPa	9 MPa	8 MPa	
Bending stiffness (Modulus of elasticity) acc. EN 310	Major axis	3500 MPa	3500 MPa	3500 MPa	3500 MPa	
	Minor axis	1400 MPa	1400 MPa	1400 MPa	1400 MPa	

Essential characteristics			Performance Boards thickness in mm				Harmonised technical specification
			9 – 10	> 10 – 18	> 18 - 25	> 25 - 30	
1			*2*	*3*	*4*	*5*	*6*
Strength acc. EN 12369-1 [N/mm^2]	Bending f_m	Major axis (0) Minor axis (90)	18,0 9,0	16,4 8,2	14,8 7,4	NPD NPD	EN 13986:2004+ A1:2015
	Tension f_t	Major axis (0) Minor axis (90)	9,9 7,2	9,4 7,0	9,0 6,8	NPD NPD	
	Compression f_c	Major axis (0) Minor axis (90)	15,9 12,9	15,4 12,7	14,8 12,4	NPD NPD	
		Panel shear f_v	6,8	6,8	6,8	NPD	

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	Planar shear f_r		1,0		1,0		1,0		NPD					
1			*2*		*3*		*4*		*5*					*6*
Stiffness (MOE) acc. EN 12369-1 [N/mm²]	Bending E_m	Major axis (0)	4930						NPD					EN 13986:2004 + A1:2015
		Minor axis (90)	1980						NPD					
	Tension E_t	Major axis (0)	3800						NPD					
		Minor axis (90)	3000						NPD					
	Compression E_c	Major axis (0)	3800						NPD					
		Minor axis (90)	3000						NPD					
	Panel shear G_v		1080						NPD					
	Planar shear G_r		50						NPD					
Punching shear as point load strength and point load stiffness			NPD											
Racking resistance acc. EN 1995-1-1	Board thickness [mm]		11		12		15		16		18		22	25
	Char.value $F_{i,v,Rk}$ [kN]		4.38		4.38		4.40		4.40		4.41		4.42	4.43
Impact resistance			NPD											
Reaction to fire acc. EN 13501-1[1]			class D-s2,d0[2] for th. 9 till 30 mm class D-s1,d0[3] for th. 30 mm											
Water vapour permeability			NPD											
Content of formaldehyde			Class E1 (≤ 0.3 mg/ 100g oven dry board)											
Release (content) of pentachlorophenol (PCP)			<0,1 mg/kg											
Airborne sound insulation acc. EN 13986			R [dB] = 13 x lg (m_A) + 14 (for the sequence range of 1 kHz to 3 kHz)											
Sound absorption acc. EN 13986, Tab.10			α = 0,10 (frequency range 250 Hz to 500 Hz) α = 0,25 (frequency range 1000 Hz to 2000 Hz)											
Thermal conductivity (density) acc. EN 12664			λ = 0,1 W / m . K											
Embedment strength			EN1995-1-1											
Air permeability			NPD											
Durability	**Board thickness [mm]**		**9 – 10**		**> 10 – 18**		**> 18 – 25**		**> 25 – 30**					
	Internal bond acc. EN 319		0,34 MPa		0,32 MPa		0,30 MPa		0,29 MPa					
	Swelling in thickness (24h) acc. EN 317		15 %		15 %		15 %		15 %					
	Moisture resistance (Internal bond after boil test) acc. EN 1087-1		0,15 MPa		0,13 MPa		0,12 MPa		0,06 MPa					
	Mechanical	Modification factor k_{mod} acc. EN1995-1-1, tab.3.1.	Service class	Permanent load		Long-term load		Medium-term load		Short-term load		Instanta-neous load		
			1	0,40		0,50		0,70		0,90		1,10		
			2	0,30		0,40		0,55		0,70		0,90		
		Modification factor k_{def} acc. EN 1995-1-1, tab. 3.2		k_{def} = 1,50 (service class 1) k_{def} = 2,25 (service class 2)										
	Biological durability acc. EN335			use class 2										

8. Environmental performance (EPD)

Programme: **EPD Hub**
Registration number: **HUB-5200**
Standard: **EN 15804+A2 and ISO 14025**
Valid until: **30 January 2031**

Key environmental indicators shall include:

Global Warming Potential (GWP-total, A1–A3): **-858 kg CO_2e**
Global Warming Potential (GWP-fossil): **187 kg CO_2e**
Water use: **17 m³**
Total primary energy use: **2530 kWh**
Recycling rate: **93.8%**

9. Dangerous substances (REACH):

No SVHC substances > 0.1%
Formaldehyde emissions comply with regulatory limits
Certified according to: **WKI E[D2020]-1522-2025**

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10. Life cycle and circularity:

Biogenic carbon content: **~289 kg C per product**
High recyclability: **93.8%**
End-of-life scenarios include recycling and energy recovery

11. Instructions for use and safety:

The product shall be installed, handled and used in accordance with its intended use and applicable standards;
Detailed installation and application guidance is available in the Kronobuild technical catalogue (www.kronobuild.com);
Applicable safety data sheets (SDS) and national health and safety regulations shall be observed.

12. DECLARATION OF CONFORMITY:

The manufacturer hereby declares under its sole responsibility that:

the product is in conformity with the declared performance;
the product complies with applicable requirements of Regulation (EU) 2024/3110;
the assessment and verification of constancy of performance has been carried out in accordance with the applicable system;
the declared data are supported by third-party verified documentation where applicable.

[1] Valid for wall panel made from timber frame with studs 60/600 mm, e=625mm; panel width1,25m, frame high max.3,0m. Timber frame has one side sheathing from OSB3 board. OSB is fastened to the frame by staples BAU 155/50 (minimum length 50 mm, width 10.6 mm and minimum cross section 1.57/1.44 mm).

[2] Reaction to fire classification is valid for following end use conditions: product with a closed or an open air gap not more than 22mm behind the product. The reverse face of the cavity shall be at least class A2-s1,d0 products with minimum density 10 kg/m3.

[3] Reaction to fire classification is valid for following end use conditions: product without substrate or fixed directly on any substrate of reaction to fire class at least D-s1,d0.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed for and on behalf of the manufacturer by:

..... Reinis Tomins
Laboratory Manager

..... Gints Grinevics
Head of production

Riga, 20.04.2026