

DECLARATION OF PERFORMANCE No. 18112013

1. Unique identification code of the product-type:
OSB3
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 board for use in humid conditions)
3. Manufacturer:
KRONOSPAN Luxembourg S.A.
B.P. 109
4902 Sanem
Luxembourg
4. System of assessment and verification of constancy of performance:
System 2+
5. Harmonised standard:
EN 13986: 2004 + A1:2015

Notified body:

no. 0766
Entwicklungs- und Prüflabor Holztechnologie GmbH
Zellescher Weg 24, 01217 Dresden, Germany

The notified body – **Entwicklungs- und Prüflabor Holztechnologie GmbH** – performed initial inspection of the manufacturing plant and of factory production control and performs continuous surveillance, assessment and evaluation of factory production control as described in harmonised standard

EN 13986: 2004 + A1:2015

Notified body issued the certificate of conformity of the factory production control (FPC) **No. 0766-CPR-479**

6. Declared performance

Essential characteristics		Performance			Harmonised technical specification
		Boards thickness in mm			
		> 6 – 10	> 10 – 18	> 18 - 25	
Strength acc. EN 12369-1 [N/mm ²]	Bending f_m	Major axis (0)	18,0	16,4	14,8
		Minor axis (90)	9,0	8,2	7,4
	Tension f_t	Major axis (0)	9,9	9,4	9,0
		Minor axis (90)	7,2	7,0	6,8
	Compression f_c	Major axis (0)	15,9	15,4	14,8
		Minor axis (90)	12,9	12,7	12,4
	Panel shear f_v	6,8	6,8	6,8	
	Planar shear f_r	1,0	1,0	1,0	
Stiffness (MOE) acc. EN 12369-1 [N/mm ²]	Bending E_m	Major axis (0)	4930		
		Minor axis (90)	1980		
	Tension E_t	Major axis (0)	3800		
		Minor axis (90)	3000		
	Compression E_c	Major axis (0)	3800		
		Minor axis (90)	3000		
	Panel shear G_v	1080			
	Planar shear G_r	50			

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Declaration of performance acc. Regulation EU No. 305/2011 (CPR)
No. 18112013

Punching shear as point load strength and point load stiffness		NPD						
Racking resistance		NPD						
Impact resistance		NPD						
Reaction to fire acc. EN 13501-1		class D-s2,d0 (without air gap) for th. 9 till 15 mm class D-s2,d0 (with closed air gap) for th. 15 till 18 mm class D-s2,d0 (with open air gap) for th. \geq 18 mm						
Water vapour permeability		NPD						
Release of formaldehyde		Class E1						
Release (content) of pentachlorophenol (PCP)		PCP \leq 5 ppm						
Airborne sound insulation acc. EN 13986	board th. [mm]	10	12	15	18	22	25	
	R [dB]	24	25	26	27	28	29	
Sound absorption acc. EN 13986, Tab.10		$\alpha = 0,10$ (frequency range 250 Hz to 500 Hz) $\alpha = 0,25$ (frequency range 1000 Hz to 2000 Hz)						
Thermal conductivity (density) acc. EN 12664		$\lambda = 0,1 \text{ W / m . K}$						
Embedment strength		EN 1995-1-1						
Air permeability		NPD						
Durability	Board thickness [mm]		> 6 – 10	> 10 – 18	> 18 - 25	> 25 -32	> 32 - 40	
	Internal bond acc. EN 319		0,34 MPa	0,32 MPa	0,30 MPa	0,29 MPa	0,26 MPa	
	Swelling in thickness (24h) acc. EN 317		15 %	15 %	15 %	15%	15%	
	Moisture resistance (bending strength after cyclic test) acc. EN 321+EN 310		9 MPa	8 MPa	7 MPa	6 MPa	6 MPa	
	Mechanical (duration of load-creep)	Modification factor k_{mod} acc. EN 1995-1-1, tab. 3.1.	Service class	Perma- nent 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. EN 335		Use class 1 or 2						

EN 13986:2004 + A1:2015

7. The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

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Alex Gambroudes, Commercial Director

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Dominik Willaczek, Technical Director

Sanem, 01/02/2020