

DECLARATION OF PERFORMANCE No. 1607202003

1. Unique identification code of the product-type:
Kronolux 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. 0765
 Fraunhofer-Institute for Wood Research Wilhelm-Klauditz-Institut WKI
 Bienroder Weg 54 E, 38108 Braunschweig, Germany**

The notified body – **Fraunhofer-Institute for Wood Research Wilhelm-Klauditz-Institut WKI** – 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 (FPC) **No. 0765-CPR-356**

6. Declared performance

Essential characteristics			Performance				Harmonised technical specification
			Boards thickness in mm				
			> 6 – 10	> 10 – 18	> 18 - 25	> 25 - 30	
Strength acc. EN 12369-1 [N/mm ²]	Bending f _m	Major axis (0)	18,0	16,4	14,8	NPD	EN 13986:2004 + A1:2015
		Minor axis (90)	9,0	8,2	7,4	NPD	
	Tension f _t	Major axis (0)	9,9	9,4	9,0	NPD	
		Minor axis (90)	7,2	7,0	6,8	NPD	
	Compression f _c	Major axis (0)	15,9	15,4	14,8	NPD	
		Minor axis (90)	12,9	12,7	12,4	NPD	
	Panel shear f _v		6,8	6,8	6,8	NPD	
Planar shear f _r		1,0	1,0	1,0	NPD		
Stiffness (MOE) acc. EN 12369-1 [N/mm ²]	Bending E _m	Major axis (0)	4930			NPD	
		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			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. ≥ 18 mm							
Water vapour permeability			NPD							
Release of formaldehyde			Class E1							
Release (content) of pentachlorophenol (PCP)			PCP ≤ 5 ppm							
Airborne sound insulation acc. EN 13986	board th. [mm]		8	9-10	12	15	16-18	20-22	25	28
	R [dB]		23	24	25	26	27	28	29	30
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			EN 1995-1-1							
Air permeability			NPD							
Durability	Board thickness [mm]		> 6 – 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 (bending strength after cyclic test) acc. EN 321+EN 310		9 MPa		8 MPa		7 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

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:

Patrick Weber, Administrative and Financial Director

Sanem, 01/08/2016

Peter Stadler, Managing Director