Declaration of performance acc. Regulation EU No. 305/2011 (CPR)
No. 1607202003

KRONOSPAN Luxembourg S.A.
B.P. 109 • 4902 Sanem • LUXEMBOURG
T +352 590311-1 • F +352 590311-500
kronospan@kronospan.lu • www.kronospan.lu

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/mm²]	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/mm²]	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	

Declaration of performance acc. Regulation EU No. 305/2011 (CPR)
No. 1607202003

Punching shear as point load strength and point load stiffness			NPD							EN 13986:2004 + A1:2015
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	Permanent load	Long-term load	Medium-term load	Short-term load	Instantaneous 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							

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

.....

Peter Stadler, Managing Director

.....

Sanem, 01/08/2016