

## DECLARATION OF PERFORMANCE No. 1607101002

1. Unique identification code of the product-type:  

**Kronogen +**
  
2. Intended use or uses of the construction product:  

**For internal use as a non structural component in dry conditions  
 (MDF acc. EN 622-5 is non load-bearing board for use in dry conditions)**
  
3. Manufacturer:  

**KRONOSPAN Luxembourg S.A.  
 B.P. 109  
 4902 Sanem  
 Luxembourg**
  
4. System of assessment and verification of constancy of performance:  

**System 4**
  
5. Harmonised standard:  

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

Notified body:  

**Not applicable**

6. Declared performance

Essential characteristics	Performance	Harmonised technical specification	
Reaction to fire acc. EN 13501-1	class E for th. <9 mm 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	EN 13986:2004 + A1:2015	
Water vapour permeability Medial density: 700kg/m <sup>3</sup>	μ wet: 16 μ dry: 25		
Release of formaldehyde	Class E1		
Content of pentachlorophenol (PCP)	PCP ≤ 5 ppm		
Airborne sound insulation acc. EN 13986	board th. [mm]		8-9    10    11-12    15    16-18    19-22    25    28-30    32-35    38-40
	R [dB]		24    25    26    27    28    29    30    31    32    33
Sound absorption acc. EN 13986	α = 0,10 (frequency range 250 Hz to 500 Hz) α = 0,20 (frequency range 1000 Hz to 2000 Hz)		
Thermal conductivity acc. EN 13986 Medial density: 700kg/m <sup>3</sup>	λ = 0,12 W / (m . K)		

Air permeability		NPD						EN 13986:2004 + A1:2015
Durability	Board thickness [mm]	> 4 – 6	> 6 – 9	> 9 – 12	> 12 - 19	> 19 - 30	> 30 - 45	
	Internal bond acc. EN 319 [MPa]	0,65	0,65	0,60	0,55	0,55	0,50	
	Bending strength [MPa]	23	23	22	20	18	17	
	Modulus of elasticity in bending [MPa]	2700	2700	2500	2200	2100	1900	
Biological durability acc. EN 335		Use class 1						

7. The performance of the product identified above is in conformity with the set of declared performance/s. 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

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 Peter Stadler, Managing Director  
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