

DECLARATION OF PERFORMANCE No. 1607101003

1. Unique identification code of the product-type:
Kronogen FR
 2. Intended use or uses of the construction product:
**Flame retardant boards, for internal use as a non structural component in dry conditions
 (F-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 1
 5. Harmonised standard:
EN 13986: 2004 + A1:2015
- Notified body:
**no. 0380
 Institut technologiqueFCBA
 Allée de Boutaut – BP 227, 33028 Bordeaux, France**

The notified body – **Institut technologique FCBA** - performed the determination of the product type on the basis of type testing (including sampling), type calculation, tabulated values or descriptive documentation of the product, the initial inspection of the manufacturing plant and of factory production control, the continuous surveillance, assessment and evaluation of factory production control under system 1 as described in harmonised standard

EN 13986: 2004 + A1:2015

Notified body issued the certificate of conformity of the factory production control (FPC) **No. 0380-CPR-4313**

6. Declared performance

Essential characteristics	Performance							Harmonised technical specification
Reaction to fire acc. EN 13501-1	class B-s2,d0 with or without air gap with on a A2 substrate							EN 13986:2004 + A1:2015
Water vapour permeability Medial density: 800kg/m ³	μ wet: 20 μ dry: 30							
Release of formaldehyde	Class E1							
Content of pentachlorophenol (PCP)	PCP ≤ 5 ppm							
Airborne sound insulation acc. EN 13986	board th. [mm]	10	12	14	16-18	19-22	25	
	R [dB]	26	27	28	29	30	31	
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: 800kg/m ³	λ = 0,14 W / (m . K)							

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

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

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 Peter Stadler, Managing Director