Declaration of performance acc. Regulation EU No. 305/2011 (CPR)
No. 1607101001

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. 1607101001

1. Unique identification code of the product-type:

DFP / Kronolux DFP / Kronospan DFP

2. Intended use or uses of the construction product:

Construction – Boards for use in rigid underlays in roofing and walls (MDF.RWH acc. EN 622-5)

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, together with 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. 0765-CPR-750**

6. Declared performance

Essential characteristics		Performance	Harmonised technical specification
Reaction to fire acc. EN 13501-1		**Class D-s2,d0** without air gap	EN 13986:2004 + A1:2015
Water vapour permeability Medial density: 600kg/m³		μ wet: 8 μ dry: 10	
Release of formaldehyde		E1 (board without addition of formaldehyde)	
Content of pentachlorophenol (PCP)		PCP ≤ 5 ppm	
Airborne sound insulation acc. EN 13986	board th. [mm]	16	
	R [dB]	27	
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: 600kg/m³		λ = 0,10 W / (m . K)	
Air permeability		NPD	

Declaration of performance acc. Regulation EU No. 305/2011 (CPR)
No. 1607101001

Durability	Board thickness [mm]		**16**		EN 13986:2004 + A1:2015
	Bending strength		EN 310 [MPa]	18	
	Modulus of elasticity in bending		EN 310 [MPa]	1900	
	Internal bond	Tensile strength	EN 319 [MPa]	0,38	
	Durability (moisture resistance)	Swelling in thickness	EN 317 [%]	6	
		Swelling in thickness after cyclic test	EN 321 + EN 317 [%]	15	
		Internal bond after cyclic test	EN 321 + EN 319 [MPa]	0,15	
Strength		Tension	$f_{t,0,k}$ [MPa]	8,4	
			$f_{t,90,k}$ [MPa]	8,4	
		Compression	$f_{c,0,k}$ [MPa]	7,0	
			$f_{c,90,k}$ [MPa]	7,0	
		Panel shear	$f_{v,k}$ [MPa]	3,3	
		Bending	$f_{m,k}$ [MPa]	14,0	
Stiffness		Tension	E_t [MPa]	1730	
		Compression	E_c [MPa]	1700	
		Panel shear	G_v [MPa]	450	
Impact resistance			NPD		
Strength and stiffness under point load for structural use			NPD		
Mechanical durability		Deformation factor k_{def}		6,3	
		Modification factor k_{mod}			
		Service class	Class of period of load		
			Permanent load	Long-term load	Medium-term load	Short-term load	Instantaneous load
		1	0,20	0,35	0,55	0,70	1,0
		2	-	-	-	0,35	0,7
Biological durability		Use class 1 or 2			
Racking resistance			NPD		
Embedment strength			$f_{h,k}$ [MPa]	15	

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

Peter Stadler, Managing Director

.....