SWISS KRONO sp. z o.o., ul.Serbska 56, 68-200 Żary, Polska
Sąd Rejonowy w Zielonej Górze, ul. Kożuchowska 8
65-364 Zielona Góra, Nr KRS 52023, NIP 928-00-12-700
Kapitał zakładowy 60 000 000, - PLN, REGON 970327738

SWISS KRONO

DECLARATION OF PERFORMANCE
Nr: KPL_OSB/3_CPR_008 EN

in accordance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonized conditions for the marketing of construction products and repealing Council Directive 89/106/EEC

1. Unique identification code of the product-type:

   SWISS KRONO OSB/3, 8-25 mm

2. Intended use:

   For non load bearing and load bearing indoor applications in dry and humid conditions

3. Manufacturer:

   SWISS KRONO sp. z o.o.
   ul. Serbska 56
   68-200 Zary, Poland
   www.swisskrono.pl

4. Authorised representative:

   Not applicable

5. System of AVCP:

   System 2+

6. Harmonised standard:

   EN 13986:2004+A1:2015

   Notified body:

   HFB Engineering GmbH - 1034

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SWISS KRONO

7. Declared performances:

Essential characteristics	**Performance**					
	8 ≤ 10		> 10 < 18		≥ 18 ≤ 25	
Strength and stiffness for structural use Thickness range (mm)	8 ≤ 10		> 10 ≤ 18		> 18 ≤ 25	
Orientation	0°	90°	0°	90°	0°	90°
• Characteristic strength (N/mm²)						
Bending f_m	18,0	9,0	16,4	8,2	14,8	7,4
Tensile force f_t	9,9	7,2	9,4	7,0	9,0	6,8
Compression f_c	15,9	12,9	15,4	12,7	14,8	12,4
Shear perpendicular to the board plane f_v	6,8					
Shear in the board plane f_r	1,0					
• Average resilience (N/mm²)						
Bending E_m	4930	1980	4930	1980	4930	1980
Tensile force E_t	3800	3000	3800	3000	3800	3000
Compression E_c	3800	3000	3800	3000	3800	3000
Shear perpendicular to the board plane G_v	1080					
Shear in the board plane G_r	50					
Punching shear (for floors and roofs) as point load strength and point load stiffness	NPD					
Racking resistance (for walls)	NPD					
Impact resistance (for floors, roofs and walls)	NPD					
Water vapour permeability (μ)	200 (wet cup) / 300 (dry cup)					
Release of formaldehyde	E1					
Content of pentachlorophenol (ppm)	≤ 5					
Airborne sound insulation	NPD					
Sound absorption	NPD					
Thermal conductivity (W/(m•K))	0,13					
Embedment strength	NPD					
Air permeability	NPD					
Bonding strength	NPD					
Thickness range(mm)	8 ≤ 10		> 10 < 18		≥ 18 ≤ 25	
Internal bond (N/mm²)	0,34		0,32		0,30	
Durability (swelling in thickness) (%)	15		15		15	
Durability (moisture resistance) (N/mm²) Bending strength after cyclic test	9		8		7	

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SWISS KRONO

Point 7 continuation

Mechanical durability						
• Modifying coefficients of strength k_{mod}						
Load duration class:	Service class	Constant	Long	Moderately long	Brief	Very brief
	1	0,40	0,50	0,70	0,90	1,10
	2	0,30	0,40	0,55	0,70	0,90
• Modifying coefficients of deformation k_{def}	1	1,50				
	2	2,25				
Biological durability	1 + 2					
Reaction to fire / Application	Class					
	Min.Thickness (mm)	Class (without flooring) [g]	Class (flooring) [h]			
Without an air gap behind the wood-based panel [a b e f]	9	D-s2, d0	D_{fl}, s1			
With a closed or an open air gap not more than 22mm behind the wood-based panel [c e f]	9	D-s2, d2	-			
With a closed air gap behind the wood-based panel [d e f]	15	D-s2, d0	D_{fl}, s1			
With an open air gap behind the wood-based panel [d e f]	18	D-s2, d0	D_{fl}, s1			
Any [e f]	3	E	E_{fl}			

[a] Mounted without an air gap directly against class A1 or A2-s1, d0 products with minimum density 10 kg/m³ or at least class D-s2, d2 products with minimum density 400 kg/m³
[b] A substrate of cellulose insulation material of at least class E may be included if mounted directly against the wood-based panel, but not for floorings
[c] Mounted with an air gap behind. The reverse face of the cavity shall be at least class A2-s1, d0 products with minimum density 10 kg/m³
[d] Mounted with an air gap behind. The reverse face of the cavity shall be at least class D-s2, d2 products with minimum density 400 kg/m³
[e] Veneered, phenol- and melamine-faced panels are included for class excl. floorings
[f] A vapour berrier with a thickness up to 0,4 mm and a mass up to 200 g/m² can be mounted in between the wood-based panel and a substrate if there are no air gaps in between
[g] Class as provided for in Table 1 of the Annex to Decision 2000/147/EC
[h] Class as provided for in Table 2 of the Annex to Decision 2000/147/EC

NPD: No Performance Determined

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:

Rafał Przedaszek
Quality Management and Certification Department Manager

Zary, 07th February 2020