EN

DECLARATION OF PERFORMANCE
KHU_OSB/3_CPR_001

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 bright, 6 – 40mm

2. Intended use:

For non load bearing and load bearing applications

in dry and humid conditions

3. Manufacturer:

SWISS KRONO Kft.
Ipar utca 1,
4800 Vásárosnamény
Hungary
Tel.: +36 45 57 11 00
E-mail: info@swisskrono.hu
Web: www.swisskrono.hu

4. Authorised representative:

Not applicable

5. System of AVCP:

System 2+

6. Harmonised standard:

EN 13986:2004+A1:2015

7. Notified body:

WKI – Wilhelm Klauditz Institut für Holzforschung
Bienroder Weg 54 E
38108 Braunschweig
Germany

Nr. 0765

8. Declared performances:

Essential characteristics	**Performance**					
Thickness range(mm)	8 ≤ 10		> 10 < 18		≥ 18 ≤ 25	
Bending strength	Technical class OSB/3 according to EN 300					
Modulus of Elasticity	Technical class OSB/3 according to EN 300					
Internal bond	Technical class OSB/3 according to EN 300					
Durability (Swelling in thickness)	Technical class OSB/3 according to EN 300					
Formaldehyde emission	E1 (100% formaldehyde free resin)					
Water vapour permeability (μ)	200 (wet cup) / 300 (dry cup)					
Airborne sound insulation	NPD					
Sound absorption	NPD					
Thermal conductivity (W/(m•K))	0,13					
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					
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					
Content of pentachlorophenol (ppm)	< 5					
Racking resistance	NPD					
Embedment strength	NPD					

Point 8 continuation

Essential characteristics	**Performance**		
Density (kg/m^3)	≥ 600		
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/m^3 or at least class D-s2, d2 products with minimum density 400 kg/m^3
[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/m^3
[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/m^3
[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/m^2 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:

(Barnabás Seregi, Managing Director)

(Szilárd Kázmér, Managing Director)