

**DECLARATION OF PERFORMANCE
SKHU_ecoPANEL_002**

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:

BE.YOND ecoPANEL

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 31
E-mail: huva.info@swisskrono.com
Web: www.swisskrono.com**

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					
Strength and stiffness for structural use	15					
Thickness (mm)						
Orientation	0°		90°			
• Characteristic strength (N/mm ²)						
Bending f_m	16,4		8,2			
Tensile force f_t	9,4		7,0			
Compression f_c	15,4		12,7			
Shear perpendicular to the board plane f_v	6,8					
Shear in the board plane f_r	1,0					
• Average resilience (N/mm ²)						
Bending E_m	4930		1980			
Tensile force E_t	3800		3000			
Compression E_c	3800		3000			
Shear perpendicular to the board plane G_v	1080					
Shear in the board plane G_r	50					
Thickness range (mm)	15					
Internal bond (N/mm ²)	0,32					
Durability (swelling in thickness) (%)	15					
Durability (moisture resistance) (N/mm ²)	8					
Bending strength after cyclic test						
Formaldehyde emission	E1 (100% formaldehyde free resin)					
Content of pentachlorophenol (ppm)	< 5					
Water vapour permeability	NPD					
Airborne sound insulation	NPD					
Sound absorption	NPD					
Thermal conductivity (W/(m·K))	0,13					
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					
Bracing load	Acc. to EN 1995-1-1, Ch. 9.2					
Embedding strength	Acc. to EN 1995-1-1, Ch. 8					

Point 8. continuation

Essential characteristics	Performance
Reaction to fire / Application	E
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:



Jakub Maciołek
Technical director



Tivadar Okszana
Quality Manager