



Declaration of the characteristics of a construction product N° 002.08.09.22/ WPC DECKING

DECLARATION OF PERFORMANCE FOR A CONSTRUCTION PRODUCT

Producer: Woodplast Sp. z o.o.

Address: LWOWSKA 38, 40-389 KATOWICE, POLAND

Product: Wood Plastic Composite decking profiles in several colors

Web: woodplast.com/pl

Email: support@woodplast.com

The undersigned, TM Bruggan, through its Director Akhlestina Oksana, declare under its sole responsibility that the product:

WPC DECKING/TERRACE PANEL – Composite panels flooring system for wide application made of PE and high-quality wooden particles.

The product is manufactured under a production control system entered and maintained by the manufacturer in accordance with the following standards:

EN 15534-1: 2014 + A1: 2017 Composites made from cellulose-based materials and thermoplastics (usually called wood-polymer composites (WPC) or natural fibre composites (NFC)) - Part 1: Test methods for characterisation of compounds and products.

Issued by: Test report N° 212047/21, SKZ - Testing GmbH, Friedrich-Bergius-Ring 22, 97076 Würzburg, Germany

With the results:

Characteristics	Parameters			Test method
Dimensional accuracy:				
Mass per length unit, g/m	3282			EN 15534-1: 2014 + A1: 2017, ch. 6.5 and 6.6 EN 15534-4: 2014, ch. 4.4
Width, mm	139			
Thickness, mm	19.0			
Deviation from straightness, mm	0.3			
Warp, mm	0.1			
Impact strength (falling mass impact test), mm	Longest perceptible surface crack	no crack		EN 15534-1: 2014 + A1: 2017 EN 15534-4: 2014, ch. 4.5.1
	Maximum depth of residual indentation	0%		
Slip resistance	Rating group C > 30 °			EN 15534-1: 2014 + A1: 2017, ch. 6.4.3 EN 15534-4: 2014, ch. 4.4
Creep behaviour	Deflection Δ_s	6.3		EN 15534-1: 2014 + A1: 2017 EN 15534-4: 2014, ch. 4.5.3
	Residual deflection Δ_{sr}	4.6		
Bending properties	Dimension	load of rupture, N	deflection under a	EN 15534-1: 2014 + A1: 2017, ch.7.3.2

			load of 500 N, mm	EN 15534-4: 2014, ch. 4.5.2
	140x18x600 mm Grey	3330	1.07	
	160x19x600 mm Wenge	4180	0.98	
	140x19x600 mm Wenge	4460	1.13	
	140x18x600 mm Cedar	4840	1.10	
	140x18x600 mm Smoke-white	3370	1.28	
Weathering resistance:				
	ΔL^*	Δa^*	Δb^*	EN 15534-1: 2014 + A1: 2017, ch.8.1 EN 15534-4: 2014, ch. 4.5.5
Change in colour "wenge"	4.33	1.11	-0.06	
Change in colour "grey"	5.20	-0.05	-1.73	
Change in colour "cedar"	7.50	1.96	0.79	
Change in colour "smoke white"	8.61	-1.71	-5.80	
Moisture resistance under cycling climatic stress, %	3.6			EN 15534-1: 2014 + A1: 2017, ch.8.3.2 EN 15534-4: 2014, ch. 4.5.3
Cold water immersion test, %:				
Change in thickness	0.8			EN 15534-1: 2014 + A1: 2017, ch.8.3.1
Change in width	0.7			
Change in length	0.1			EN 15534-4: 2014, ch. 4.5.5
Change in weight	0			
Boiling water test: - Change in weight, %	0.4			EN 15534-1: 2014 + A1: 2017, ch.8.3.3 EN 15534-4: 2014, ch. 4.5.5
Linear thermal expansion coefficient:				
Linear thermal length expansion coefficient; longitudinal direction	single value 36.4 x 10 ⁻⁶			EN 15534-1: 2014 + A1: 2017, ch.9.2 EN 15534-4: 2014, ch. 4.5.6
Linear thermal length expansion coefficient; transverse direction	single value 127 x 10 ⁻⁶			

Katowice, Poland

08/09/2022

Procurent

O.Akhlestina

