

NATIONAL DECLARATION OF PERFORMANCE

No. 13/2022

1. Name and trade name of the construction product:
Timberness PRIME, Timberness SELECT, Timberness FOREST, and Timberness CITY composite decking boards with complementary elements of the system
2. Construction product type designation:
Timberness hybrid composite profile system
3. Intended use or uses:
The assembly set is designed for outdoor flooring (terraces, balconies, platforms, pool edges)
4. Name and address of the manufacturer's registered address and place where the product is manufactured:
**Fiberlab S.A.
Brzezcie 387
32-014 Brzezcie**
5. Name and business address of the authorized representative, if appointed:
Not applicable
6. National system used to assess and verify constancy of performance:
System 4
7. National Technical Specification:
 - 7a. Polish product standard:
Not applicable
Name of the accredited certification body, accreditation number and national certificate number or name of accredited laboratory(s) and accreditation number:
Not applicable
 - 7b. National Technical Assessment:
ITB-KOT-2017/0089 Issue 3 Set of decking boards and complementary elements of the Timberness system
Technical Assessment Body/National Technical Assessment Body:
Instytut Techniki Budowlanej [Building Research Institute], ul. Filtrowa 1, 00-611 Warszawa
Name of the accredited certification body, accreditation number and certificate number:
Not applicable
8. Declared performance characteristics:

Essential characteristics of the construction product for the intended use or uses	Declared performance characteristics	Comments
Dimensional deviations of decking boards and joists, mm:		PN-EN 15534-1:2014 PN-EN 15534-4:2014
– lengths	± 10.0	
– width	± 1.0	
– overall thickness	± 0.8	
– upper wall thickness	± 0.6	
– bottom wall thickness	± 0.6	
Straightness of edges//, mm/m	≤ 1.0	PN-EN 15534-1:2014 PN-EN 15534-4:2014
Transverse curvature, mm	≤ 0.5	
Resistance of the boards to impact with a hard body at an energy of 7 J, At +23 °C and at -20 °C	no cracks of ≥ 10 mm in length and indentations with a depth of ≥ 0.5 mm	
Bending properties of the boards:		



– destructive force, N	average value ≥ 3300 single value ≥ 3000		PN-EN 15534-1:2014 PN-EN 15534-4:2014
– deflection under load of 500 N, mm	average value ≤ 2.0 singular value ≤ 2.5		
– Bending strength (support spacing of 500 mm), MPa,	≥ 35		
– elastic modulus on bending, MPa	≥ 3000		
Essential characteristics of the construction product for the intended use or uses	Declared performance characteristics		Comments
Resistance of boards to wet conditions as determined by decrease in bending strength after moisture cycles, %	average value ≤ 20 singular value ≤ 30		PN-EN 15534-1:2014 PN-EN 15534-4:2014
Swelling after 28 days of immersion in water at $(+20 \pm 2) ^\circ\text{C}$, %:			
– along the length	average value ≤ 0.4 singular value ≤ 0.6		
– along the width	average value ≤ 0.8 singular value ≤ 1.2		
– along the thickness	average value ≤ 4 singular value ≤ 5		
Moisture absorption after 28 days of immersion in water at $(+20 \pm 2) ^\circ\text{C}$, %	average value ≤ 7 singular value ≤ 9		
Dimensional stability, determined in % by change after 24 h of storage at temp:			item 3.2.1
– $+70 ^\circ\text{C}$	≤ 0.2		
– $-20 ^\circ\text{C}$	≤ 0.1		
Resistance to accelerated aging after 300 h of irradiation, determined by color difference:			PN-ISO 7724-2:2003 PN-ISO 7724-3:2003 PN-EN ISO 4892-2:2013 +A1:2009 (met. A) PN-EN 15534-4:2014
– light brown boards (RAL 8008)	$\Delta E_{ab}^* \leq 5$		
– gray boards (RAL 7037)	$\Delta E_{ab}^* \leq 6$		
– graphite boards (RAL 9005)	$\Delta E_{ab}^* \leq 3$		
– dark brown boards (RAL 8028)	$\Delta E_{ab}^* \leq 2$		
Ability to maintain fasteners, determined by:			PN-EN 1383:2000 (joist-clip arrangement - screw)
– destructive force, N	≥ 700		
– drag resistance, MPa	≥ 40		
Resistance to dynamic load, Nm			PN-EN 1195:1999 (30 kg bag of 250 mm in diameter, impact in the middle of the support spacing)
– floor with composite joists	≥ 1050		
– floor with aluminum joists	≥ 736		
Floor slip resistance, PTV:	dry surface	wetted surface	PN-EN 15534-1:2014 PN-EN 15534-4:2014
– PRIME board:			
▪ along	≥ 80	≥ 60	
▪ across	≥ 90	≥ 75	
– SELECT board:			



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▪ along	≥ 70	≥ 50	
▪ across	≥ 75	≥ 65	
– CITY board			
▪ along	≥ 70	≥ 70	
▪ across	≥ 70	≥ 70	
– FOREST board			
▪ along	≥ 36	≥ 36	
– across	≥ 36	≥ 36	
Coefficient of linear thermal expansion in the temperature range from -20 to 70°C, ^{K-1} :			PN-EN 1770:2000
– SELECT board	≤ 5 · 10 ⁻⁵		
– PRIME board	≤ 5 · 10 ⁻⁵		
– CITY board	≤ 5 · 10 ⁻⁵		
– FOREST board	≤ 5 · 10 ⁻⁵		
Essential characteristics of the construction product for the intended use or uses	Declared performance characteristics	Comments	
Reaction to fire classification:			
- set of products with PRIME or SELECT boards and complementary elements according to item 2.	B _{fl} -s1 ¹⁾		PN-EN 13501-1:2010
- set of products with CITY board and complementary elements according to item 2	C _{fl} -s1 ¹⁾		PN-EN 13501-1:2019
- set of products with FOREST board and complementary elements according to item 2	C _{fl} -s1 ¹⁾		
¹⁾ the classification applies to sets used on primers with reaction to fire class A1 and A2 according to the PN-EN 13501-1:2019 standard			

9. The performance characteristics of the product specified above are consistent with all declared performance characteristics listed in point 8. This national declaration of performance is issued in accordance with the Law of April 16 2004 on construction products, under the sole responsibility of the manufacturer.

Signed on behalf of the manufacturer:

Brzezie, 12.07.2022

Łukasz Szczepan
CEO

Certified to be a true and accurate translation by:

Andrzej Pasterny, certified translator and court interpreter with registered office in Ustroń, Poland, entered into the list of sworn translators maintained by the Minister of Justice under No TP 5552/05.

Register No: 97/2023

Ustroń, dated: 2023-03-04




SWORN TRANSLATOR
 English - Polish
 Andrzej Pasterny M.A.
 ul. F. Hajduka 10, 43-400 Cieszyń
 POLAND tel. +48 600 507 071
www.tlumacz-cieszyn.pl