

DECLARATION OF PERFORMANCE

DECLARATION OF PERFORMANCE No 01/2022

1. Name and trade name of the construction product

Terrace decking kit with ancillary elements of BERGDECK system.

2. Designation of the construction product type

COMPOSITE TERRACE BOARD 150 x 25 mm

SUPPORT RAIL PROFILE 50 x 30 mm

ASSEMBLY KIT (clips and screws)

3. Intended use of the product:

Terrace decking kit and ancillary elements of BERGDECK system is intended to be used as external flooring construction (terraces, verandas, balconies, platforms, surfaces around external pools, etc.).

4. Name and address of the manufacturer's headquarters and place of production of the product:

„SALAG” Spółka z ograniczoną odpowiedzialnością Spółka komandytowa

Szafirowa 5

16-400 Suwałki

Place of origin: Poland

5. National system used for the assessment and verification of constancy of performance

System 4

6. Krajowa Specyfikacja Techniczna:

6a) Krajowa Ocena Techniczna

NATIONAL TECHNICAL ASSESSMENT ITB-KOT-2019/0611 3rd edition

Technical Assessment Unit / National Technical Assessment Unit:

Building Research Institute

Name of the accredited certification body, accreditation number and certificate number:

Not applicable

SALAG
Prezes Zarządu
Radosław Mroczkowski



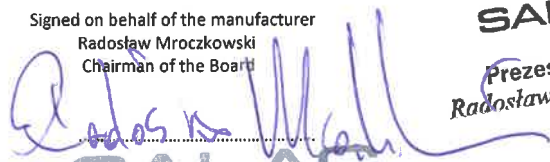
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7. Declared performance:

Item	Essential characteristics	Performances	Assessment methods	
1	Deviations of dimension decking profiles and support rail profiles, mm:		PN-EN 15534-1:2014 PN-EN 15534-4:2014	
	- length	± 5,0		
	- width	± 1,2		
	- total thickness	± 0,5		
	- top layer thickness	± 0,3		
- bottom layer thickness	± 0,3			
2	Edge straightness, mm/m	≤ 0,5		
3	Curvature transverse, mm	≤ 0,5		
4	Falling mass impact resistance, into the top and bottom surfaces, impact energy of 7 J, temp. +23oC i -20oC	no cracks in length ≥ 10 mm and a depth of indentation ≥ 0,5 mm		
5	Moisture resistance, determined decrease of bending strength under the cyclic moisturing	mean value ≤ 20 individual value ≤ 30		
6	Properties of decking profiles at bending (spacing of support rail profiles 400 mm):	mean value ≥ 3300 individual value ≥ 3000		
	- destructive force, N			
	- deflection under a load of 500 N, mm	mean value ≤ 2,0 individual value ≤ 2,5		
	- bending strength, MPa	≥ 40		
- modulus of elasticity in bending, MPa	≥ 4000			
7	Swelling after 28 days the total immersion into water at a temperature (+20 ± 2)°C, %:			
	- in length direction	mean value ≤ 0,4 individual value ≤ 0,6		
	- in width direction	mean value ≤ 0,8 individual value ≤ 1,2		
- in thickness direction	mean value ≤ 5,1 individual value ≤ 5,3			
8	Absorption after 28 days the total immersion into water at a temperature (+20 ± 2)°C, %	mean value ≤ 7,0 individual value ≤ 9,0		
9	The coefficient of linear thermal expansion in temperature range of -20 °C to 80 °C, K-1	≤ 5 · 10 ⁻⁵	PN-EN 1770:2000	
10	Resistance to accelerated ageing after 300 h irradiation, determined by the difference of colour:		PN-ISO 7724-2:2003 PN-ISO 7724-3:2003 PN-EN ISO 4892-2:2013 (met. A) PN-EN 15534-4:2014	
	- decking profiles in color brushed walnut	ΔEab* ≤ 3		
	- decking profiles in color brushed teak	ΔEab* ≤ 12		
	- decking profiles in color brushed chestnut	ΔEab* ≤ 9		
	- decking profiles in color brushed black	ΔEab* ≤ 6		
	- decking profiles in color brushed anthracite	ΔEab* ≤ 10		
	- decking profiles in color light chestnut	ΔEab* ≤ 6		
- decking profiles in color dark grey	ΔEab* ≤ 3,5			
11	Floor slip resistance, PTV	dry surface	wet surface	PN-EN 15534-1:2014 PN-EN 15534-4:2014
		≥ 70	≥ 50	
12	Ability to maintain fasteners (load capacity pull-through of fasteners), specified by:		PN-EN 1383:2016 (system: support rail profiles – clamp – screw)	
	- breaking force, N	≥ 2000		
- pull through strength (pull through parameter), MPa	≥ 70			
13	Floor resistance to dynamic loads, Nm	≥ 450	PN-EN 1195:1999 (a bag weighing 30 kg and a diameter of 250 mm, impact in the middle of the support rail profiles spacing)	

8. The performance of the product identified above is in conformity with all the declared performance properties listed in point 7. This national declaration of performance is issued in accordance with the Act of 16 April 2004 on construction products, under the sole responsibility of the manufacturer.

Signed on behalf of the manufacturer
Radosław Mroczkowski
Chairman of the Board



SALAG

Prezes Zarządu
Radosław Mroczkowski

Suwałki, 22.02.2022 r.

(miejsce i data wydania)

SALAG

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