

# **“WINDOOR” Paweł Redestowicz**

## **NATIONAL DECLARATION ON PERFORMANCE PROPERTIES NO. 3/2017**

**1. Name and trade name of the construction product:**

Set of planks and terrace profiles along with complementary elements of the WINFLOOR system.

**2. Identification of the type of the construction product:**

PKWiU 2008:22.23.19.0

**3. Intended use or uses:**

The set of planks and terrace profiles along with complementary elements of the WINFLOOR is intended for making outdoor flooring, on terraces, verandas, balconies, etc.

**4. Name and address of the manufacturer and product manufacturing site:**

WINDOOR Paweł Redestowicz, 26-600 Radom, 5 Rodziny Ziętałów St.

Manufacture: 26-600 Radom, 12 A Toruńska St. — plant no. 2

**5. National system for the assessment and verification of the constancy of performance properties: 4**

**6. National technical assessment:**

Building Research Institute in Warsaw

Technical Approval ITB AT-15-8855/2015

Research work no. 01655/15/Z00NK The Building Elements Engineering Department at the Building Research Institute in Warsaw.

## 7. Declared performance properties:

Essential characteristics of the construction product for the intended application or applications	Declared performance properties	Research methods
1.35±10%	Material density, g/cm <sup>3</sup>	PN-EN iso 1183-1:2013, met.A
2,428±10% 2,049±10% 912±10%	Mass in relation to length, g/m: - 145 mm wide terrace board - 140 mm wide terrace board - assembly profile - joist	p.5.6.1
-2/+10 mm ±15% ±15% ±10%	Dimensional deviations: - in length - in width - in height - in wall thickness	PN-EN 15534-1:2014
slight dents possible	Impact resistance:  145 mm wide terrace board - at 23°C, at an energy of 15 J - at -20°C, at an energy of 15 J  140 mm wide terrace board - at 23°C, at an energy of 10 J - at -20°C, at an energy of 6 J	PN-EN 477:1997
≤3.5 x 10 <sup>-5</sup>	Coefficient of linear thermal expansion in the temperature range of -20°C to +80°C, 1/°C	PN-EN 1771:2000  (Temperature increase rate of 5°C/min.)
≥ 10 ≥ 10	Durability - resistance to ageing after 1,000 h of radiation, determined by Charpy impact strength, kJ/m <sup>2</sup> -before ageing -after ageing	PN-EN ISO 4892-2:2009+A1:2009 PN-EN ISO 179-1:2010, method 1fu
≤3.5 ≤7.5	Water absorption, %, after: - 24h of soaking in the water - 7 days of soaking in the water	PN-EN 317:1999/Apl:2002

Essential characteristics of the construction product for the intended application or applications	Declared performance properties	Research methods
$\leq 1.0$ $\leq 2.5$ $\geq 40$ $\geq 35$ $\geq 30$	The influence of moisture on the thickness and hardness of the material, determined by: swelling on the thickness, %, after: - 24h of soaking in the water - 7 days of soaking in the water Brinell hardness test, N/mm <sup>2</sup> - in air-dry condition - after 24h of soaking in the water - after 7 days of soaking in the water	PN-EN 317:1999/Ap1:2002 PN-EN 1534:2011
$\geq 20$	Bending strength (floorboard), MPa	PN-EN 310:1999/Ap1:2002
$\geq 2,000$ $\geq 2,500$	Modulus of elasticity in bending, MPa: - floorboard - assembly profile - joist	PN-EN 310:1999/Ap1:2002 PN-EN 13706-2:2004
$\geq 4.0$	Compressive strength (floorboard), MPa	PN-EN 408:2010
$\geq 800$ $\geq 50$	The ability to maintain the connectors determined by: - the destructive force on the system: floorboard-connecting clip-screw, N - the connector's dragging strength, MPa	PN-EN 1383:2000
$\geq 62$ $\geq 45$	Slip resistance, glider CEN, PTV - dry surface - wet surface	PN-EN 13036-4:2001

8. The performance properties of the above described product comply with all of the declared performance properties, referred to in item 7. This national declaration of performance properties shall be issued in keeping with the Construction Products Act of 16 April 2004, on the exclusive responsibility of the producer.

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[signature]

Paweł Redestowicz

RADOM 02.01.2018

(place and date of issue)