



DECLARATION OF PARAMETERS

(Incomplete copy of technical assessment)

In accordance with the provisions § 23 of Act no. 133/2013 Coll. on the Construction products and on Amendments to certain Acts as amended by Act no. 91/2016 Coll.

According to Decree no. 162/2013 Coll., §2 list of construction products groups paragraph (3). The product in terms of its functions in the building process can be used for various purposes, therefore it is included in the group of construction products and uses (according to **point 2** and **point 3**), which is decisive during the building process and which, in terms of risk during use, puts higher demands on its essential characteristics or on its production. It consists of terraces and of the surface treatment of the swimming pools, considering the chemical properties of the material as well. Supplemented with an exam and anti-sliding parameters for safety and accessibility.

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|--|---|
| 1. Trade name of the product: | Composite wood-plastic (WPC) floorboards with accessories |
| 2. Type of product: | Paving and flooring products |
| 3. Type/variant and intended use of the construction product: | Composite wood-plastic (WPC) floorboards with accessories are intended for outdoor adjustments of terraces, balconies and pool's surroundings. |
| 4. Name and identification number of the Technical Assessment Body: | TECHNICKÝ A SKÚŠOBNÝ ÚSTAV STAVEBNÝ, n. o. BUILDING TESTING AND RESEARCH INSTITUTE, Slovak Republic Studená 3, 821 04 Bratislava, IČO: 31821987, Authorized person TP04 |
| 5. Date of the issue of the SK Technical Assessment: | 13.11.2017 |

Ecological, health and safety information.

According to the declared parameters, the product meets the criteria for using the pool surface treatment. Substances, which can be released, subject to normal or foreseeable conditions, comply with the relevant standard.

For safe use, follow the general assembly and installation instructions listed on the distributor's webpage. And the general H&S recommendations and procedures as well.

Declared parameters include a technical assessment, an anti-slip tests and grooved anti-slip side of the board test, which is recommended to be used for the walkable part of the floor. The test results are listed in Section 6.

6. Declared parameters

Essential Property

Hygiene, Health and the Environment (BWR 3)

Release of the pollutants into the environment

Heat deflection temperature – with an even weigh down

Abrasion test

Izod unnotched impact strength

Moisture content

Thickness swelling after immersion and water absorbability

Bending strength

Bending stretch module

Resistance to the impact by falling weights

Resistance to compression

Longitudinal thermal expansion coefficient

Safety and accessibility in use (BWR 4)

Anti-slipping

Artificial ageing (after 50h and 100h UV exposure)

Vicat softening temperature

Density

Rockwell hardness (HRR)

Parameter

Cadmium (Cd) $\leq 0,01$ % (100 ppm)¹⁾

Lead (Pb) $\leq 0,1$ % (1000 ppm)

Mercury (Hg) $\leq 0,1$ % (1000 ppm)

Hexavalent chromium (Cr⁶⁺) $\leq 0,1$ % (1000 ppm)

Polybrominated biphenyls (PBBs) $\leq 0,1$ % (1 000 ppm)

Polybrominated diphenyl ethers (PBDEs) $\leq 0,1$ % (1 000 ppm)

66 °C

Weight loss 80,3 mg

3,7 kJ/m² C (complete break)

0,31 %

size change (average):

thickness max. 4 %

width max. 0,8 %

length max. 0,4 %

size change (individually):

thickness max. 5 %

width max. 1,2 %

length max. 0,6 %

absorption (average): max. 7 %

weight absorption (individually): max. 9 % wt.

20,0 MPa

4413,0 MPa

none of the 10 tested samples shall have a crack with the length more than 10 mm or a scratch with a depth or more than 0,5 mm; or according to customer requirements

Brinell hardness 38,9 MPa

degree of elastic relaxation 44,2 %

126 x 10⁻⁶ 1/K

static coefficient of shear friction $\mu_s > 0,3$

dynamic coefficient of shear friction $\mu_d > 0,3$

shade change – degree 2 to 3

73,3 °C

1,347 g/cm³

63,1 R

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¹⁾ BWR – Basic work requirement.

¹⁾ ppm = mg/kg, 1 mg/kg = 0,0001 %

SPECIFIC CONDITIONS

Hygiene, Health and the Environment (BWR 3)

Buildings must be designed and constructed in such a way that they do not endanger hygiene, health and safety of workers, residents, or the environment during their life cycle and that during their building, use and demolition, they do not have disproportionate impact on the quality of the environment or climate, particularly as a result of:

c4 release of hazardous substances into groundwater, seawater, surface water or soil;

c7 moisture in parts of buildings or on their surfaces.

Safety and accessibility during use (BWR 4)

Buildings must be designed and constructed in such a way that they are not a source of unacceptable risk of accidents or damage, or events such as slip, fall, crash, ignition, electric shock, explosion and burglary during their use. During designing and constructing, particularly the accessibility and use for disabled persons must be taken into consideration.

Essential characteristics related to safety of persons during construction works and during the ordinary maintenance of the building.

Handling of the product during construction works and during the ordinary maintenance of the building does not require extraordinary safety measures.

The parameters of the products referred to in points 2 and 3 are in accordance with declared parameters in the point 6. This declaration of parameters is issued to the sole responsibility of the manufacturer.

KOVOS
s. r. o. výkup
KOVOS výkup, s. r. o.
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IČO: 45 877 548, DIČ: 2023161624
IČ DPH: SK2023161624

Signed for and on behalf of the manufacturer

Matej Varsa, 15.11.2017