



## DECLARATION OF CONFORMITY

***We, the manufacturer:***

LLC "STEPP", Reg. No. 43603068759

Legal address: Braslas iela 29A, Riga, LV-1084

declare under our sole responsibility that our products:

extruded wood plastic composite (WPC) terrace decking boards and profiles fulfill the essential requirements of the LVS CEN / TS 15534-1:2007.

***Product description:***

Our WPC terrace decking boards and profiles are named „GreenDeck”. They make up a system, which consists of following elements:

- main profile, dimensions 135 x 25 mm; 150 x 25mm; 145 x 22 mm; 145 x 25 mm; 130 x 18 mm; 145x20mm; 120 x 12mm; 200 x 20mm.
- skirting profile, dimensions 54 x 10 mm;
- floor beam profile, dimensions 40 x 30 mm.

All profiles have any length till 7 meters except 150x25mm; 200x20mm; 130x18mm profiles have only 4m or 6m lengths. Main and skirting profiles are produced in following colors – light brown (Caramel), brown (Cacao), dark brown (Chocolate), black (Onyx), green (Moss green), yellow (Sahara), red (Red), white (Ivory). Colors available may change.

***Product application:***

All „GreenDeck” products are designed for outdoor use. Areas of application include flooring, e.g. terraces, docks, walkways, balconies etc.

***Product limitations:***

None of „GreenDeck” profiles may be used as columns, beams, pillars and other load-bearing elements of building constructions. An appropriate structural frame or foundation should be established below decking.

***Product life cycle:***

The expected lifespan of the products is 25 years. In the production process virgin high density polyethylene and Baltic pine sawdust are used. Products are environmentally friendly and are not in any way harmful to humans or nature. All products are 100% recyclable.



**Declared product test results:**

- Class E<sub>fi</sub> of reaction to fire has been certified.

Test and certification has been made in accordance to standard LVS EN 13501-1 + A1: 2010 12<sup>th</sup> paragraph terms, carried out by Ltd “Meza un koksnes produktu petniecibas un attistibas instituts”, Reg. No. LV 43603022749, Dobeles street 41, Jelgava, LV-3001, Latvia. Certification Report No. K04/2010, report date 05/05/2010.

- Accelerated Weathering test has been carried out on QUV Accelerated Weathering Tester, equipped with UVB-313 EL lamps. Test comprised 400 hours of mixed cycle (High irradiance UV/ Condensation). After test, no visible deterioration or damage of surface has been certified. Visible wood particles have shown slight darkening, the total color difference of  $\Delta E < 5$  has been certified.

Test and certification has been carried out by Ltd “Varnish and Paint Factory”, Reg. No. 40003284444, Daugavgrivas street 63/65, Riga, LV-1007, Latvia, report date 07/06/2010.

-Anti slip/ Pendulum test has been carried out by FloorSlip Ltd. The Pendulum was used in accordance with the United Kingdom Slip Resistance Group (UKSRG) guidelines for testing floors to ascertain the slip resistance to BS EN 14231. The tests were carried out under:

-Wet Conditions (Using potable water to cover the whole test area and refreshed between tests).

- Dry & sunny conditions

- Following tests and certifications have been carried out by Riga Technical University, Faculty of Material Science and Applied Chemistry, Azenes street 14/24, Riga, LV-1048, Latvia, final results - February 2010.

	Test Method	Units	Value
Flexural Strength	LVS EN 310:2001	MPa	>15
Tensile Strength	LVS EN 310:2001 LVS EN 321:2002	MPa	>14
Flexural modulus	LVS EN 310:2001	MPa	>2500
Density	EN ISO 1183-3	g/cm <sup>3</sup>	1,2
Heat expansion coefficient	EN ISO 11359-2	1/K	< 4x10 <sup>-5</sup>
Charpy impact strength	ASTMD 256M	kJ/m <sup>2</sup>	5,1
Vicker hardness	-----	MPa	98
Surface abrasion	Taber, 1kg	g/1000r	42
Resistance to fire	LVS EN 13501-1+A1	Class	E <sub>fi</sub>
Swelling in thickness (28 days in water)	LVS EN 317:2000	%	<5
Water absorption (28 days in water)	LVS CEN/TS 15534-1:2007 p.8.3.	%	<11

SIA “STEP”

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