

DECLARATION OF PERFORMANCE

1. The unique identification code of the types of products:

Wood Plastic Composite Decking

2. Description of products:

Composite decking in 146x23mm, with one side anti-slip groove, Core material- 60% OAK wood powder, 30% grade A recycling high density plastic, 10% additives.

3. The intended use or uses of a construction product in accordance with the applicable harmonized technical specification, as it is intended by the manufacturer:

Floor covering for outdoor use

4. The product tested by:

Fraunhofer Institute for Wood Research / Wilhelm-Klauditz-Institut
WKI (Germany)

5. Test standard:

EN15534-4:2014

6. Published properties:

Product properties	Standard Requested	Test result	Remark
Max. loading force	$\geq 3,000\text{N}$	$5019 \pm 222\text{ N}$	Data collected from 8 specimens, distance between supports 300 mm
Deflection under a load of 500 N	$\leq 2.5\text{mm}$	$0.73 \pm 0.01\text{ N}$	
Reaction to fire	///	Class Ffl	EN13501-1:2002
Formaldehyde emission	///	$0.2\text{mg/m}^2\text{h}$	E1, EN717-2
Boiling test	$\leq 9\%$	$3.42 \pm 0.02\%$	EN15534-1:2014, 8.3.3
Slipperiness	36	37 ± 2	tested by using the "Portable Skid Resistance Tester SRT 5800"



Fraunhofer
WKI



UNVOC Jilin Habod New Materials Technology Co., Ltd

Creep behaviour	$\Delta s \leq 13\text{mm}$	$6.2 \pm 0.1\text{mm}$	EN15534-1:2014,7.4.1
	$Sr \leq 5\text{mm}$	$4.4 \pm 0.5\text{mm}$	
Moisture resistance under cyclic test condition	$\leq 30\%$	$6.6 \pm 0.4\text{mm}$	Data collected from 8 specimens, distance between supports 300 mm
Falling mass impact resistance	$\leq 0.5\text{mm}$	$0.03 \pm 0.02\text{mm}$	No crack
Linear thermal expansion coefficient	$\leq 5 \times 10^{-5}$ [K-1]	4.7×10^{-5} [K-1]	400mm long specimen
Resistance to artificial weathering	-	$E^*=3/\Delta L^*=2.6/\Delta$ $a^*=0.2/\Delta b^*=-0.5$	Brown color, 300 h weathering

7. Statement:

The performance of the product identified above is in conformity with the declared performance in above table.

This declaration of performance is issued under the sole responsibility of the manufacturer Jilin Habod New Materials Technology Co., Ltd



Signed for and on behalf of the manufacturer by :



Place and date of issue :

Jilin, China
2017.08.22



Fraunhofer
WKI

