

Physical Characteristics	
Characteristic	Declared values ¹
Dimensional tolerances	
- Length	- 5 / + 15 mm
- Width	+ / - 1 mm
- Thickness	+ / - 1 mm
Mass per meter and tolerances for decking profiles	
- Mass / m	2,52 kg/m
- Tolerances	+ / - 0,2 kg/m
Density and tolerances for WPC of decking profiles	
- Density	1,387 g/cm ³
- Tolerances	+ / - 0,15 g/cm ³

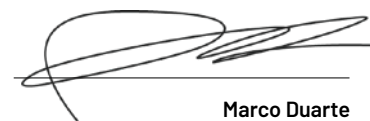
Product Performance		
Characteristic	Method	Declared values ¹
Reaction to fire	EN ISO 11952-2, EN 13501-1, EN ISO 9239 1	Efl
Influence of moisture		
- Swelling in thickness	EN 15534-1	0,8%
- Water absorption		2,9%
Bending strength		55 N/mm ²
Modulus of elasticity	EN 310	6036 N/mm ²
Impact strength (+23°C/1kg)		16,5 J
Impact strength (-10 °C / 1 kg)	EN 477	10 J
Slipperiness		
- Longitudinal Direction (Dry conditions)		91
- Longitudinal Direction (Wet conditions)	EN 15534-1	50 (class 3)
- Cross direction (Dry conditions)		91
- Cross direction (Wet conditions)		45 (class 2)

Product Performance		
Characteristic	Method	Declared values ¹
Pull-through strength of the screw	EN 1383	1889 N
Moisture resistance under cyclic conditions	EN 15534-1	
- Decrease of bending strength		$f_m = 1,12 \% / 4,69\%$
- Decrease of modulus of elasticity		$E_m = 7,55 \% / 10,90\%$
UV-radiation resistance Charpy impact strength	EN ISO 4892-2 (Method A) EN ISO 179-1	Before aging: 7,1 kJ/m ² After aging: 4,6 kJ/m ²
Surface hardness	EN 1534	105 N/mm ²
Density	EN ISO 1183-1	1,387 g/cm ³
Thermal resistance R and equivalent Thermal conductivity λ	EN 1266	$R_{10(23,50)} = 0,22 \text{ m}^2 \cdot \text{K/W}$ $\lambda_{10(23,50)} = 0,118 \text{ W/m.K}$

IHT assumes a variation of 30% due to the process production and to factors climatic exposure.

¹Based on the European Technical Assessment ETA 26/0031 dated 27/02/2026

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