Declaration Of Performance

Hollow Board WUUDE

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	EN 15534-1	
- Swelling in thickness		0,8%
- Water absorption		2,9%
Bending strength	EN 310	55 N/mm^2
Modulus of elasticity		6036 N/mm^2
Impact strength (+23°C/1kg)	EN 477	16,5 J
Impact strength (–10 ºC / 1 kg)		10 J
Slipperiness	EN 15534-1	
- Longitudinal Direction (Dry conditions)		91
- Longitudinal Direction (Wet conditions)		50 (class 3)
- Cross direction (Dry conditions)		91
- Cross direction (Wet conditions)		45 (class 2)

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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 m^2.K/W $\lambda_{10\,(23,\,50)}$ = 0,118 W/m.K

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

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

Soure, June 1, 2026

Marco Duarte
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