

DECK-ER HOLLOW DECK**Technical Data Sheet**

DECK-ER HOLLOW DECK® is an environmentally innovative composite material that combines the best qualities of polymer and engineered fibers which fall as surplus by-products in self-adhesive label manufacture and processing. The material contains no harmful chemicals.

MATERIAL Hollow decking profile made by extrusion technology. About 25% recycled content. Ingredients: Polyvinyl Chloride, wood powder & natural fibers and functional quality additives.

DRAWING

Kompozit Yapı Malzemeleri Deck /
Composite Building Materials Deck



STRUCTURE Profiles have Two Surface with different groove pattern

DIMENSIONS Decking Profile 21 ±0.5 mm thickness, 145 ±0,5 width, 3000 ±5 mm length and weight 3 kg/m

COLOR Profile can be produced with different color (Coffee, Gray, Cream, Anthracite and special request)

PHYSICAL AND MECHANICAL PROPERTIES OF DECK-ER PROFILE*

Property	Test Method	Unit	Value
Density	EN ISO 1183-1	g/cm ³	1.39
Flexural Properties	EN 15534-1:2014 – 4.5.2*	Gpa	4.20
Bending Strength	EN 310	N/mm ²	45
Modulus of elasticity in bending	EN 310	N/mm ²	6000
Surface Hardness (Brinell)	EN 15534-1:2014*	N/mm ²	84
Wear Resistance	EN 438-2	mm	0.22
Point Load Capacity	EN 1533	N	5850
Boiling Test	EN 15534-1:2014*	%	<2,5
Swelling and Water Absorption Test	EN 15534-1:2014*, 8.3.1	%	< 3,5
Linear Thermal Expansion Coefficient	ISO 11359-2	1/°C	4.3x10 ⁵
Screw And Nail withdrawal test	EN 13446	N	412-315
Flame Spread Index (FSI)	ASTM E84-2017	-	18 (Class A)
Humidity Behavior	ASTM D570	Very low humidity absorption ■ no dimensional change	
Falling Mass Impact Resistance	EN 15534-1:2014: 7.1.2.1	No Crack. None of test specimens shall show a failure with a crack length ≥ 10 mm or a depth of residual indentation ≥ 0.5 mm	

*Based on European Standard Norm (EN 15534) Wood Plastic Composites (WPC). Values are characteristic from quality tests.

*EN 15534-1:2014 Composites made from cellulose-based materials and thermoplastics (usually called wood-polymer composites (WPC) or natural fiber composites (NFC) Part 4: Specifications for decking profiles and tiles.