

# Technical Data Sheet

## Plenera



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### Decking Planks

General, Material	Plenera decking planks are made of an environmentally conscious rice husk/polymer material (RPC), which is 100 % recyclable. The product characteristics of the material remain constant for many years, with no reinstatement work necessary.	
Product control (Conform to German, British, European and American norms)	eph Dresden / ift Rosenheim / TÜV Rheinland / BZR Institut Bonn	
Density ASTM D2395:2002	approx. 1,5 g/cm <sup>3</sup>	
Linear thermal expansion coefficient ISO 11359-2	36,5x10(-6) 1/K	
Flexural strength EN 310	≥ 3400 N	
Deflection EN 310	≤ 1,8 mm	
Temperature distortion EN ISO 899-2	≤ 10 mm	
Variable loading performance EN 321	≤ 20 %	
Slip resistance DIN 51097 DIN 51130 Stained smooth Stained grooved Untreated smooth Untreated grooved	Class C (highest rating) Longitudinal      Transversal R 12                R 13 (highest rating) R 11                R 12 R 12                R 13 (highest rating) R 12                R 13 (highest rating)	
Water absorption and air humidity behaviour ASTM D1037:2006a	Little or no water absorption	
Weathering and UV resistance QUV Test 3500 h	Extremely resistant	
Fire behaviour per: German norm DIN EN 13501-1:2007 US Standard NFPA British Standard BS 476 Parts 6&7	Class E, normal flammable Class A Class A	
Durability per: ENV 12038:2002 DIN EN 350-1:1994	Stable Durability class 1	
Emissions per DIN EN ISO 9001/14001	Passed	
Warranty	15 years functional warranty for crack/split formation and breakage, directly and exclusively caused by termites, insects or fungal decay.	