



Technical data sheet

Model: ET9146E

Size: 146x23x3900 mm

Product Name: Wood Plastic Composite Decking / WPC Decking

Comosition: 60% Wood Fibres, 30% HDPE & 10% Additives

Test Items	Test Results
Bending Strength: (Joist span 400mm)	24.77 MPA
Modulus of elasticity:	4213 MPA
Maximum load:	3244N
Density:	1.34 g/ cm ³
Brinell Hardness:	58.2 N/mm ²
Rate of Elastic Recovery:	80%
Resistance to Artificial Weathering:	After 2000 hours exposure $\Delta E=0.72$, Grey Scale 4-5
Swelling and Water Absorption (28 days immersion)	4% in thickness 0.8% in width 0.4% in length Water Absorption: 7%
Resistance against Micro-Fungi:	Rate 0, no growth
Linear thermal expansion:	$43.6 \times 10^{-6} / C$
Abrasion Resistance:	Wear Index: 32mg/1000r
Formaldehyde:	Not detected

Product photo:

