



# Habitat+ Decking General Physical Properties

Composite decking from the timber experts

# Habitat+ Decking

Alchemy Habitat+ decking supplied by BSW Timber Ltd. is a mix of wood flour (approximately 60%) and polyethylene with the addition of certain additives to improve physical and processing properties.

The polyethylene used in this product variant is a premium quality, recycled material with the wood flour also being premium quality single species material processed to a set format, which is then blended with the polyethylene and additives. The resulting product is 95% recycled and 100% recyclable.

Material:	60% Wood Flour, 40% HDPE (Including process additives)
Board Length:	3600mm
Board Thickness:	22mm
Board Width:	135mm
Warranty:	15 Years
Temp Range:	-20°C to 60°C
Weight:	2.08kg per linear meter (+/- 1.5%)
Maximum Span:	400mm centres *
Fixing:	Hidden edge fixings and colour coded screws

Mechanical Property	Test Method	Value
Tensile Strength	BS EN ISO 527 - 2012	10.5MPa
Flexural Strength	BS EN ISO 178:2010+ A1:2013	16.6MPa
Impact Notched/UnNotched	BS EN ISO 179-1:2010	2.8/4.6Kj/m²
Water Absorption	ASTM D1037	1.5%
Coefficient of Expansion	BS EN ISO 11359-2:1999 Across length	0.08mm/m/°C
Specific Gravity	BS EN ISO 1183-1:2019 Method A	1.19 +/-0.05
Grooved Side Slip Potential	BS 7976-2	Dry: Low   Wet: Moderate
Grain Side Slip Potential	BS 7976-2	Dry: Moderate   Wet: High
Scratch Resistance	Yes	
Stain Resistance	Yes	
Colour Stability	Yes	

\* Habitat+ is for residential applications only