



# Urban Decking General Physical Properties

Composite decking from the timber experts

# Urban Decking

Alchemy Urban 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:	138mm
Warranty:	20 Years *
Temp Range:	-20°C to 60°C
Weight:	2.86kg per linear meter (+/- 1.5%)
Maximum Span:	Residential Installations: 400mm centres Commercial Installations: 300mm centres
Fixing:	Hidden edge fixings and colour coded screws

Mechanical Property	Test Method	Value
Tensile Strength	BS EN ISO 527-2:2012	9.8MPA
Flexural Strength	BS EN ISO 178-2020+A1 2013	1.2MPA
Impact Notched/UnNotched	BS EN ISO 179-1: 2010	2.6/9.5kj/m²
Water Absorption	ASTM D1037 12 (23)	0.3%
Coefficient of Expansion	BS EN ISO 11359-2:1999	0.08mm/m/°C
Specific Gravity	BS EN ISO 1183-1:2012	1.18 +/-0.05
Embossed Side Slip Potential	BS 7976-2	Dry: Low   Wet: Moderate
Scratch Resistance	Yes	
Stain Resistance	Yes	
Colour Stability	Yes	

\* 20 years in residential applications and 10 years in commercial applications