

Specification		
Description	Manufactured from 100% high quality recycled mixed waste plastics from post industrial and consumer use and where necessary selected process additives.	
Production Process	The polymer is blended and fed under high temperatures and pressures into moulds.	
Finish	The surface is knot free, evenly coloured, showing a textured structure.	
Properties	<ul style="list-style-type: none"> ◆ Maintenance free ◆ Durable ◆ Can be worked as wood ◆ Splinter free ◆ Frost proof ◆ Impervious to fungi and insects ◆ Does not leach toxic substances 	<ul style="list-style-type: none"> ◆ Wear resistant ◆ Will not rot ◆ Environmentally friendly ◆ 100% recycled and recyclable ◆ Insulating ◆ Acoustic sound proofing ◆ Shock proof and flexible ◆ Resistant to most chemicals
Performance	Properties	Example Values
All figures quoted are typical values and for guidance only	Density	0.99 g/cm ³
	Thermal expansion coefficient	0.11 mm/m/°C
	Moisture absorption (ISO 175)	<0.2 wt%
	Slip resistance in dry (BS 7976-2)	Low slip risk - 49
	Slip resistance in wet (BS 7976-2)	Low slip risk - 41
	Tensile modulus (ISO 527-2)	885 MPa
	Tensile strength (ISO 527-2)	8.5 MPA
	Flexural modulus (ISO 178)	715 MPa
	Flexural strength (ISO 178)	17 MPa
	Impact resistance un-notched (ISO 179)	12 KJ/m ²
Chemical Stability	Resistant to most common chemicals - contact us for specific info	
Typical Uses	For challenging environments where durability counts, such as in the manufacture of outdoor furniture and construction materials.	