

Specification		
<b>Description</b>	Manufactured from 100% high quality recycled mixed waste plastics from post industrial and consumer use and where necessary selected process additives.	
<b>Production Process</b>	The polymer is blended and fed under high temperatures and pressures into moulds.	
<b>Finish</b>	The surface is knot free, evenly coloured, showing a textured structure.	
<b>Properties</b>	<ul style="list-style-type: none"> <li>◆ Maintenance free</li> <li>◆ Durable</li> <li>◆ Can be worked as wood</li> <li>◆ Splinter free</li> <li>◆ Frost proof</li> <li>◆ Impervious to fungi and insects</li> <li>◆ Does not leach toxic substances</li> </ul>	<ul style="list-style-type: none"> <li>◆ Wear resistant</li> <li>◆ Will not rot</li> <li>◆ Environmentally friendly</li> <li>◆ 100% recycled and recyclable</li> <li>◆ Insulating</li> <li>◆ Acoustic sound proofing</li> <li>◆ Shock proof and flexible</li> <li>◆ Resistant to most chemicals</li> </ul>
Performance	Properties	Example Values
All figures quoted are typical values and for guidance only	Density	0.94 g/cm <sup>3</sup>
	Thermal expansion coefficient	0.13 mm/m/°C
	Moisture absorption (ISO 175)	<0.2 wt%
	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 <sup>2</sup>
<b>Chemical Stability</b>	Resistant to most common chemicals - contact us for specific info	
<b>Typical Uses</b>	Ideal where material needs to be flexible and readily take nails or screws in applications such as Nailer Battens, Formwork and Falsework.	