



WOOD PLASTIC COMPOSITE (WPC) DECKING

DATA & TECHNICAL SPECIFICATIONS

Material

John Richardson and Son's attractive low maintenance composite decking is the perfect choice for any outdoor space made from FSC® Certified timber and recycled HDPE (high density polyethylene). Our dual sided eco-friendly decking comes in four contemporary colours and is designed to withstand the most challenging conditions.

Physical and Mechanical Properties of Norbury's Composite Decking

Characteristic	Testing Reference	Result
Swelling & Water Absorption (28 Days)	CEN/TS 15534-1:2007 Clause 7.3.3. EN789:2004	Swelling in Thickness 0.69% Water Absorption 1.75%
Resistance to Artificial Weathering (720 Hours)	CEN/TS 15534-1:2007 Clause 8.1.1. EN ISO4892-2	Grey Scale 4
Resistance to Funghi	ISO 16869:2008	Rating 0, No Growth
Moisture Resistance	CEN/TS 15534-1:2007 Clause 8.5.1. EN321:2001	Thickness Change 0.3% Bending Strength 23.1 Mpa Residual:94.4%
Heat Reversion	CEN/TS 15534-1:2007 Clause 9.3 Annex F	0.1%
Expansion Rate	House Method	0.3% - 0.5%
Neutral Salt Spray Test	ISO 9227-2006	After 96 Hours Salt Spray Test, There Was No Corrosion on the Sample.
Freeze Thaw Testing	House Method	No Visible Blistering, Cracking or Chipping. Grey Scale 4
Flexural Property of Load Bearing Products	CEN/TS 15534-1:2007 Clause 7.3.3. ISO 789:2004	Flexural Modulus:3478Mpa Bending Strength:16.4 Mpa
Density	CEN/TS 15534-1:2007 Clause 6.1.EN ISO 1183-1:2004	1277Kg/m3
Resistance to Indentation	EN15534-1:2014 Clause 7.5.	Brittle Hardness 64.8N/mm2 Rate of Elasticity Recovery 74.5%
Falling Mass Impact Resistance	EN15534-1:2014 Clause 7.1.2.	No Surface Crack Occurred
Cupping	EN15534-1:2014 Clause 6.6.4.	Resist 0.1