

<b>Physical &amp; Mechanical Properties</b>	<b>Test Standard</b>	<b>Unit</b>	<b>Value/Results</b>
Line Load Bearing Test - Peak Load (180mm width, 300mm span centres)	BS EN ISO 14125	kN	9.32
Line Load Bearing Test - Peak Deflection (180mm width, 300mm span centres)	BS EN ISO 14125	mm	10.75
Line Load Bearing Test - Peak Stress (180mm width, 300mm span centres)	BS EN ISO 14125	Mpa	22.75
Line Load Bearing Test - Peak Load (180mm width, 400mm span centres)	BS EN ISO 14125	kN	6.56
Line Load Bearing Test - Peak Deflection (180mm width, 400mm span centres)	BS EN ISO 14125	mm	14.39
Line Load Bearing Test - Peak Stress (180mm width, 400mm span centres)	BS EN ISO 14125	Mpa	21.39
Line Load Bearing Test - Peak Load (200mm width, 300mm span centres)	BS EN ISO 14125	kN	8.34
Line Load Bearing Test - Peak Deflection (200mm width, 300mm span centres)	BS EN ISO 14125	mm	9.39
Line Load Bearing Test - Peak Stress (200mm width, 300mm span centres)	BS EN ISO 14125	Mpa	18.32
Line Load Bearing Test - Peak Load (200mm width, 400mm span centres)	BS EN ISO 14125	kN	6.64
Line Load Bearing Test - Peak Deflection (200mm width, 400mm span centres)	BS EN ISO 14125	mm	12.36
Line Load Bearing Test - Peak Stress (200mm width, 400mm span centres)	BS EN ISO 14125	Mpa	19.46
Point Load Bearing Test - Peak Load (180mm width, 300mm span centres)	BS EN ISO 14125	kN	7.14
Point Load Bearing Test - Peak Deflection (180mm width, 300mm span centres)	BS EN ISO 14125	mm	15.77
Point Load Bearing Test - Peak Load (180mm width, 400mm span centres)	BS EN ISO 14125	kN	5.52
Point Load Bearing Test - Peak Deflection (180mm width, 400mm span centres)	BS EN ISO 14125	mm	19.33
Point Load Bearing Test - Peak Load (200mm width, 300mm span centres)	BS EN ISO 14125	kN	5.78

Point Load Bearing Test - Peak Deflection (200mm width, 300mm span centres)	BS EN ISO 14125	mm	11.4
Point Load Bearing Test - Peak Load (200mm width, 400mm span centres)	BS EN ISO 14125	kN	5.65
Point Load Bearing Test - Peak Deflection (200mm width, 400mm span centres)	BS EN ISO 14125	mm	15.37
Modulus of Elasticity and Bending Strength - Ultimate Load, $F_{max}$ (Textured surface tested)	BS EN 310	$f_m$ $N/mm^2$	13.4
Modulus of Elasticity and Bending Strength - Ultimate Load, $F_{max}$ (Textured surface tested) after UV aging	BS EN 310	$f_m$ $N/mm^2$	11.4
Modulus of Elasticity $E_m$ $N/mm^2$ (Textured surface tested)	BS EN 310	$E_m$ $N/mm^2$	896
Modulus of Elasticity $F_m$ $N/mm^2$ (Textured surface tested)	BS EN 310	$F_m$ $N/mm^2$	13.3
Resistance To Static Indentation (10kg load via a 10mm diameter rounded indenter for 41 days)	MOAT 27	mm	0.1
Soft Body Impact	MOAT 43	mm	0 (no visible damage)
Hard Body Impact	MOAT 43	mm	0 (no visible damage)
Impact Resistance After Aging	BS EN 13245	mm	No cracking or damage
Fixing Pull Out	BS EN 1382: 1999	$F_{max}$ N	1610.8
Density	BBA	kg.m <sup>3</sup>	529.75
Thermal Conductivity (Weathered Oak)	Fox 200	W/mK	0.089
Thermal Conductivity (Enhanced Grain)	Fox 200	W/mK	0.084
Photostability	BS EN ISO 4892-2: 2006	LRV	2% (shift over 5000hrs)
Slip Resistance - WET (Weathered Oak)	BS 7976-2:2002	PTV` s	65
Slip Resistance - DRY (Weathered Oak)	BS 7976-2:2002	PTV` s	81

Slip Resistance - WET (Enhanced Grain)	BS 7976-2:2002	PTV`s	55
Slip Resistance - DRY (Enhanced Grain)	BS 7976-2:2002	PTV`s	77
Moisture Content (12h at 103c)	BS EN 322:1993	(%)	0.6
Ease of Cleaning (black shoe polish)	BBA	Bleach, Detergent	Completely removed, with no damage or staining
Resistance to Staining	BS EN 438-2: 2005	Acetone	No visible change
Resistance to Staining	BS EN 438-2: 2005	Coffee	Slight change of colour, only visable at certain angles
Resistance to Staining	BS EN 438-2: 2005	Sodium Hydroxide	No visible change
Resistance to Staining	BS EN 438-2: 2005	Hydrogen Peroxide	No visible change
Resistance to Staining	BS EN 438-2: 2005	Shoe Polish	No visible change
Determination of Swelling in Thickness	BS EN 317	(Gt) %	0.1
Taber Abrasion (1000g x 1000 cycles)	ISO 7784-2	mg	261
Tensile Properties	BS EN319	N/mm <sup>2</sup>	1.53
Tensile Properties after boiling	BS EN 1087-1	N/mm <sup>2</sup>	1.31
Dimensional Stability	BS EN 318: 2002	Δ/65,85 mm/m	0.47
Colour Measurement	BS 3900 Parts D8-D10 (ISO 7724 Parts 1-3)	D65	Less Red/Yellower
Acoustic Testing	AS 1191.2002, AS/NZS ISO 717.1:2004, AS ISO 354 - 2006	R <sub>w</sub>	51