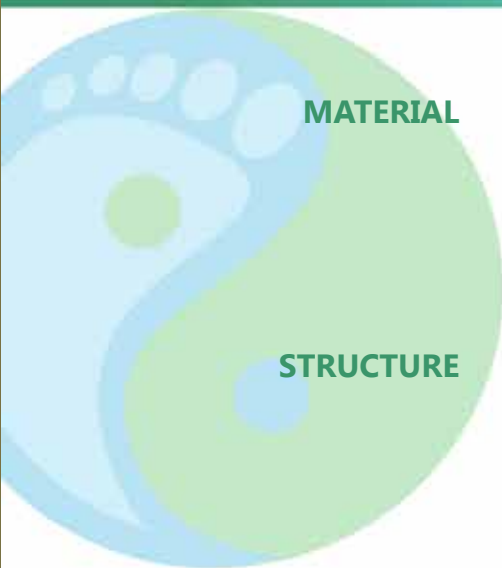


TIMCO Wood Balustrade Technical Specifications



MATERIAL

Timco Wood UK wood plastic composite balustrade is no ordinary balustrade. Made from recycled timber and plastics, the WPC balustrade system combines their unique properties in one base material. With the low maintenance and durability of the plastic & the texture, appearance and strength of the wood, our wood composite balustrade is eco-friendly, extremely stable and is perfectly suited for outdoor use in the garden as well as hotels, pubs, leisure centres etc.

STRUCTURE

Extruded composite balustrade system.

PHYSICAL & MECHANICAL PROPERTIES OF TIMCO WOOD WPC BALUSTRADE

Characteristic	Reference	Unit
Density	CEN/TS 15534-1:2007 Clause 6.1 EN ISO 1183-1:2004	1277 kg/m ³
Heat Deflection Temperature	CEN/TS 15534-1:2007 Clause 6.3 EN ISO 75-1-2004	61.5°C (Method A)
Resistance to Artificial Weathering (720 hours)	CEN/TS 15534-1:2007 Clause 8.1.1 EN ISO 4892-2:2013(E)	ΔE* = 1.39 Grey Scale = 4
Swelling & Water Absorption (28 days)	CEN/TS 15534-1:2007 Clause 8.3 EN 317:1993	Swelling in Thickness: 0.69% Water Absorption: 1.75%
Linear Thermal Expansion ¹ (-30°C ~ 80°C)	CEN/TS 15534-1:2007 Clause 9.1 ISO 11359-2:1999	Length Direction: 55.7x10 ⁻⁶ 1/K Width Direction: 64.0x10 ⁻⁶ 1/K Thickness Direction: 118.0x10 ⁻⁶ 1/K
Heat Reversion	CEN/TS 15534-1:2007 Clause 9.2 EN 479:1999	0.1%
Heat Build-up	CEN/TS 15534-1:2007 Clause 9.3 Annex F	Horizontal Position, Δ T=54.2°C
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
Chemical Analysis of Stainless Steel Components (Ni Cr)	Material Identification	Decking Fixing Clip: Ni - 8.05%, Cr - 18.52% Start/End Clips: Ni - 8.03%, Cr - 18.36%
Resistance to Fungi	ISO 16869:2008	Rating 0, no growth