



# Performance Characteristics

Mirrl surfaces have been tested to and passed by the Furniture Industry Research Association (FIRA) to standard 6250 2005 for Horizontal surfaces.

<https://www.fira.co.uk/technical-information/testing/performance-of-furniture-finishes-and-surfaces>

## Mirrl Surface Material

Layered Polyester Resin

Nominal finished thickness 1.2mm - 1.5mm

Barcol Hardness (Model GYZJ 934-1) 42  
Deflection Temperature under load † (1.80 MPa)  
°C 67

Water Absorption 24 hours at 23°C mg 15

Tensile Strength MPa 50

Tensile Modulus MPa 3800

Elongation at Break % 1.5

\* Curing schedule – 24 hours at 20 °C, 3 hours at 80°C

† Curing schedule – 24 hours at 20 °C, 5 hours at 80°C, 3 hours at 120 °C

Property C.S.M\*\* Laminate

Tensile Strength MPa 98

Tensile Modulus MPa 7600

Elongation at Break % 1.7

Flexural Strength MPa 190

Flexural Modulus MPa 7400

*\*Curing schedule – 24 hours at 20°C, 16 hours at 40°C*

*\*\* Made with 4 layers 450g/m2 PB CSM*

# Surface Jointing Compound

Tinted Gel resin colour matched to supplied sheet & catalysed by end fabricator.

## Substrate

**Birch Plywood** : Environmentally friendly [FSC® &/or PEFC], durable, easily machined & fabricated with standard joinery Equipment and techniques.

**Standard Thickness\*\*\*** : 4mm, 6mm, 9mm, 12mm, 15mm, 18mm, 24mm.

**Standard Sheet Size\*\*\*** : 2420mm x 1200mm (approximately 2.8m<sup>2</sup>) after edge dressing.

**Standard Sheet Balancing** : Water based acrylic coating unless specific balancing is requested.

*\*\*\*Special substrates, sheet sizes and balancing available upon request.*

## Inclusions

Mirrl surfaces are handcrafted. As such there can sometimes be tiny inclusions such as particles of dust or tiny hairs visible within the surface as residue of the process. Every care is taken to ensure this is kept to a minimum and should not affect the overall appearance of the surface.