



## TFL PERFORMANCE STANDARDS

Properties	Test Method ISO 4586-2/ Standard Reference	PRISM TFL Products
Boiling Water Resistance	ISO 4586-2 2018-07:42	Rating 3 (Moderate gloss and/or color change)
Impact Resistance	ISO 4586-2 2018-07:25	380 mm
Light Resistance	ISO 4586-2 2018-07:33-B	Rating 4 (No to slight effect)
Scratch Resistance	ISO 4586-2 2018-07:29	2.0N Rating 3
Cleanability / Stain Resistance	ISO 4586-2 2018-07:31-B	<20 Cleanability Reagents 1 – 10 no effect Reagents 11 – 16 moderate effect
Surface Wear Resistance <sup>2</sup>	ISO 4586-2 2018-07:11	Solid Colors >150 cycles /Class 3 Woodgrains & Abstract Designs ≥50, <150 cycles / Class 2
Additional thickness (per side) after raw board is laminated with PRISM TFL		0.25 - 0.55mm

**Note<sup>1</sup>** International standard ISO4586-2 2018-07 seventh edition, High pressure decorative laminates (HPL, HPDL) - Sheets based on thermal setting resins (usually called laminates) - Part 2:

- Large ball impact resistance
- Lightfastness – section 33
- Scratch Resistance – section 29
- Staining (Method B) – section 31
- Surface Defects – section 4
- Wear Resistance – section 11

**Note<sup>2</sup>** Class 1: General TFL applications – Typical for printed designs or pearlescent colors, low basis weight paper.

Class 2: General TFL applications - Typical for unicolored décor papers.

Class 3: TFL applications where higher level of wear durability is required (institutional, commercial) - Typical for decor papers with wear barrier.

Prism® TFL increases the MOR values of Particleboard and MDF after lamination.

## GENERAL INFORMATION AND HEAT RESISTANCE



Prism TFL panels should be stored and used between 50°F (10°C) and 120°F (50°C) and relative humidity levels below 75%. Temperatures up to 160°F (70°C) is permitted for up to 24 hours. Temperatures above 120°F (50°C) for long time periods are not recommended because of the risk of panel shrinkage and surface cracking. When heat generating appliances are placed onto panel surfaces, an air gap and air circulation should be used to maintain temperatures below the limits stated above.

## FLAME SPREAD RATING



ARAUCO Particleboard treated with fire-rated (FR) additives are certified by Intertek Testing Services NA, Inc. to have a Class A or Class I flame spread rating. In addition, TFL products laminated on ARAUCO's fire-rated particleboard substrate at the Albany, OR laminating facility are classified by Intertek Testing Services NA, Inc. to have a Class A or Class I flame spread rating.