

# PREMIUM FOR ALL

Benefits of Modern TFL Laminates





Thermally Fused Laminate (TFL), the modern-day equivalent of Low Pressure Laminate (LPL) is widely used in production of contract furniture. A long standing debate between use of High-Pressure Laminate (HPL) and TFL continues.

The performance gap between modern-day TFL and High Pressure Laminates (HPL) has significantly narrowed. Today, TFL laminates offer great performance that rivals traditional HPL in many commercial applications. TFL offers significant cost savings and many environmental and sustainability advantages over traditional HPL.

## TFL CONSTRUCTION



### Did You Know?

The decorative layer used in TFL is the same decor paper as HPL

### 1 DECORATIVE LAYER

The top and bottom of the TFL sheet is the visible decorative layer. It is impregnated with resin to provide abrasion, moisture, stain and wear resistance. It features printed patterns or solid color and is applied to both sides of the substrate, resulting in a finished surface on both sides.

### 2 SUBSTRATE LAYER

The substrate is between both decorative layers and provides structure integrity and dimension to the finished TFL sheet. It's most commonly made of high density particleboard or MDF.



### THERMAL FUSION

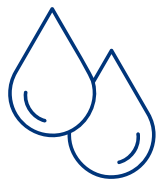
Heat and pressure are applied to activate the resin in the decorative layers. This permanently bonds both to the substrate, creating the finished TFL panel.





## WEAR & TEAR

Modern-day TFL has excellent scratch and wear resistance performance and meets ANSI/BIFMA standards for high traffic commercial furniture applications.



## MOISTURE RESISTANCE

Advanced resins in the decorative layer help provide moisture resistance. Modern-day TFL offers significantly improved moisture protection when comparing to previous generations of LPL.



## COST BENEFITS

Choosing TFL results in an average of 25-30% material cost savings vs. HPL.

# ENVIRONMENTAL BENEFITS

- TFL production uses less energy and raw material when comparing to HPL.
- TFL panels offer a lower carbon footprint when comparing to HPL.
- Some TFL laminates (including OFGO STUDIO's ECO+ collection) use 100% recycled wood fiber in the substrate, diverting waste from landfills.
- TFL laminates offer low VOC's and meet Indoor Air Quality standards.



TFL and HPL both offer their own respective advantages. Choosing the right material can depend on the desired application.

## IDEAL APPLICATIONS FOR TFL

### 1 OFFICES

Executive offices, private offices, credenzas, wardrobes and other storage solutions are ideal for TFL because of its durable yet cost effective finish.

### 2 MEETING SPACES

Conference tables, buffet cabinets, lecterns, wall panels and other storage items where durability and consistent design aesthetic is preferred.

### 3 LEARNING ENVIRONMENTS

Tables, bookcases, and other storage items in TFL are a cost effective and durable solution for education customers.

### 4 STORAGE

Pedestals, lateral files, credenzas and other storage units are ideal for TFL construction, offering long term durability with dato joint construction.

Certain applications may still be preferred for HPL use, including clinical healthcare environments, laboratories and high moisture environments such as pools and/or food preparation areas.





TFL perfectly embodies our mission of Premium For All by offering premium aesthetics and performance without the price point associated with HPL.

With modern innovations in manufacturing, TFL laminates now rival HPL for most furniture applications.

All OFGO STUDIO laminates are available at the same price point, including premium TFL finishes that capture and replicate the natural characteristics of wood through an embossment surface that matches the woodgrain pattern of the finish.

