





TFL Buyer's Guide

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Decorative Surfaces 101

Thermally Fused Laminate (TFL)

- Resin impregnated décor paper is fused directly to a particleboard or MDF substrate (no kraft paper is used in TFL)
- Heat & pressure activate the resin in the sheet creating a bond with the substrate
- Once known as Melamine or Thermally Fused Melamine
- Great for low impact & vertical applications

High Pressure Laminate (HPL)

- Multiple layers of kraft paper are saturated with resin, a layer of décor paper is placed on top and then fused together under heat and pressure
- The curing process transforms the resin into a plastic converting the paper into a rigid laminated sheet
- Suitable for high impact horizontal applications

arauco PR/SM TFL | Thermally Fused Laminate



What is TFL? Thermally Fused Laminate (TFL)

Architects and designers cite value and durability as the primary benefits of specifying TFL panels as they address the ever-present challenge of seeking versatility, quality, and design consistency from project to project.



TFL's predecessors were often referred to as "melamine panels." That term is still widely used to refer to TFL in many areas in North America and Europe. But beware: there are other materials which are referred to as "melamine," particularly in the retail market, and while these decorative surfaces may carry some melamine resin, they are essentially lightweight papers that are glued to the substrate, not thermally fused to it. These are perfectly good materials for residential shelving and light-use furniture, but they are not engineered to handle the same rugged, high-use—even commercial—applications as TFL.

Today, TFL decorative panels feature innovative, trend-leading wood grain designs, colors, abstracts, and textures, making them the preferred choice of commercial furniture designers in North America. TFL's durability, design consistency, and overall value are inspiring designers to use more TFL in architectural millwork, cabinetry, and fixtures.

Beginning in the 1990s, TFL design began to pick up speed. A handful of North American producers began to match HPL designs by literally buying the décor papers from HPL producers, so designers could value-engineer projects without compromising design harmony—the HPL on the high-wear work surface was an exact match to the TFL casework.



Often TFL decorative panels are replacing fragile and rare veneers as well as other surface materials that may be over-engineered for most decorative surface applications. Today, TFL is trending forward in healthcare, commercial, retail, hospitality, and residential projects

And one more thing – TFL is sustainable!

There's no shortage of certifications for products and materials, some that are performance based such as ECC and Level, and others that provide transparency such as EPDs (Environmental Product Declarations), and manufacturer's life cycle ingredient reports such as the UL Product Lens. There are organizations (for instance, Mindful MATERIALS) working to help designers put all of this data into perspective, with the intention of ensuring the materials you use and the companies you buy from align with your own values and project goals.

What is TFL?

What is HPL?







A TFL (thermally fused laminate) decorative panel comprises two main components: a composite wood core—generally particleboard or MDF—and a décor paper that is either unicolor, abstract, or has been printed with a wood grain or other pattern using water-based and solvent-based inks. The décor paper generally weighs between 60 and 130 g/m². The same décor paper is used in the production of HPL (high pressure laminate), making it easy to match materials within the same project.

TFL is made by fusing a resin impregnated sheet of décor paper directly to the composite panel. The decorative surface becomes part of the wood core as the resin systems of the paper and substrate flow and crosslink, permanently bonding with the other. The finished panel is extremely durable, cannot peel or delaminate, and possesses many of the same stain, chemical, scratch, water, and heat-resistant qualities of HPL. This durability offers a long-life cycle. Unlike HPL, no brown kraft paper is used in the manufacture of TFL, and the resulting panel is ready for fabricating immediately with no brown line.

Another characteristic of laminate is its look and feel. TFL decorative panels can be manufactured with enhanced visual characteristics or surface textures that are created with steel press plates that emboss the decorative overlay to heighten the realism of wood grain, stone, or abstract designs. Steel press plates can also be used to create or control the gloss level of the surface. EIR (embossed in register or synchronized) textures are created by aligning an embossed plate to the design pattern to produce a product that is indistinguishable from real wood veneer. Synchronized textures are available as a two-sided product, providing another level of flexibility to designers and fabricators.

The importance of Substrates / Cores

A wide range of standard and specialty substrates are available in both particleboard and MDF. Considerations for weight, moisture and fire can be accommodated. Please discuss these options with your Sales Representative.



TFL Performance Standards

| Properties | Test Method / Standard Reference | PRISM TFL Products | |
|--|----------------------------------|--|--|
| Boiling Water Resistance | ISO 4586-1 2018-07:41 | No to slight effect | |
| Impact Resistance | ISO 4586-1 2018-07:25 | 15 inches | |
| Light Resistance | ISO 4586-1 2018-07:33-B | No to slight effect | |
| Scratch Resistance | EN 438 2.14.91 | 3.4N | |
| Scratch Kesistance | ISO 4586-1 2018-07:29 | 2.0N | |
| | | <20 Cleanability | |
| Cleanability / Stain Resistance | ISO 4586-1 2018-07:31-B | Reagents 1 – 10 no effect | |
| | | Reagents 11 – 15 slight effect | |
| | | Solid Colors 400 cycles | |
| Surface Wear Resistance | ISO 4586-1 2018-07:11 | Woodgrains & Abstract Designs 125 cycles | |
| Additional thickness (per side) after raw board is laminated with PRISM TFL | | 0.0025 - 0.0055mm | |

Note: PRISM TFL increases the MOR values of Particleboard and MDF after lamination.

Flame Spread Rating



ARAUCO Particleboard treated with fire-rated (FR) additives are certified by Underwriters Laboratories 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 Underwriters Laboratories to have a Class A or Class I flame spread rating.

How to Specify PRISM TFL

| Description | Example |
|---|---------------------------|
| Product / Substrate | Prism TFL FR (fire-rated) |
| Design Code | WF377 |
| Design Name | Pewter Pine |
| Texture | Medina |
| Panel Dimensions (Thickness / Width / Length) | 3/4" x 49" x 97" |

Surface Characteristics





Panel faces are water and moisture resistant, unlike veneers





Technical / Particleboard Specifications

For Critical SURFACE APPLICATIONS



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SPECIFICATION SHEET

ULTRA Standard is a general purpose particleboard panel that has superior face characteristics and product consistency making it suitable for virtually all applications. Manufactured predominantly with softwood, ULTRA offers excellent core integrity for enhancing tool life.

Thickness sizes range from 3/8" to 1 1/2" making this product suitable for cabinets, fixtures, countertops, furniture and door components.

| | | ULTRA STANDARD | |
|-----------------------|----------|----------------|-------------|
| | | Bennett | sville, SC |
| Thickness Range | (in./mm) | 3/8 - 13/16 | 7/8 - 1 1/2 |
| Average MOR | (psi) | 1,800 | 1,800 |
| Average MOE | (psi) | 325,000 | 325,000 |
| Average Internal Bond | (psi) | 75 | 75 |
| Face Screw Hold | (lb) | 225 | 225 |
| Edge Screw Hold | (lb) | 180 | 180 |
| Thickness Tolerance | (in.) | +/005 | +/005 |
| Length and Width | (in.) | +/- 1/16 | +/- 1/16 |
| Squareness | (in.) | +/- 1/8 | +/- 1/8 |

* Edge Screw test is not performed on products less than 5/8" thick (per the ANSI standard).

- The above physical properties are based on minimum allowable averages of individual production lots. Testing for conformance to the above specifications must be done in accordance with procedures described in the American National Standard for Particleboard (ANSI 208.1 - 2016 section 6.2 Sampling for Acceptance).
- EPA recognized and CARB approved Third Party Certifier TPC-1.
- EPA TSCA Title VI certified. Complies with CARB ATCM 93120, ANSI 208.1 - 2016, HUD 24 CFR, CAN/CSA - 0160 - 16 for formaldehyde emissions.
- All panels are approved for interior, non-structural application.
- Contains Recycled/Recovered wood content.

Storage and Handling

Particleboard products made by ARAUCO should never be stored or used outdoors. The indoor storage area should be clean, dry, well ventilated, and free of dust, dirt or particles that could contaminate the particleboard. Store flat on stickers on a level, hard, dry surface. Constant relative humidity and temperature should be maintained. Before use, allow to stabilize to the same conditions as are expected after the panel is installed. Condition 48 to 72 hours prior to lamination. For more information, see Composite Panels Association Technical Bulletin: Storage and Handling of Particleboard and MDF.



MDF Specifications



For Detail and **EXCEPTIONAL FINISHINGS**



na.arauco.com

SPECIFICATION SHEET

TRUPAN Standard MDF is a versatile product that will fit most general industrial uses including cabinets, fixtures and furniture components. An advanced refining process ensures a homogenous panel that is ideal for deep detailed profiling and finishing with exceptional performance results.

| TRUPAN STANDARD MDF | | | | | | | | | |
|-----------------------|----------|-------------------|-------------------|-------------------|-------------------|----------------------|------------|--------------|----------|
| | | | Moncur | e, NC | | Sault Ste. Marie, ON | | | |
| Thickness Range | (in./mm) | 1/4″ - 0.35″ | 0.36″ - 7/16′ | 1/2" - 3/4" | 7/8″ - 1″ | 6mm - 8mm | 9mm - 1/2″ | 9/16″ - 7/8″ | 1″-11/4″ |
| Average MOR | (psi) | 4,205 | 3,915 | 3,915 | 3,915 | 4,200 | 3,100 | 3,100 | 3,800 |
| Average MOE | (psi) | 449,500 | 449,500 | 449,500 | 449,500 | 450,000 | 400,000 | 420,000 | 480,000 |
| Average Internal Bond | (psi) | 160 | 138 | 109 | 102 | 175 | 120 | 110 | 110 |
| Face Screw Hold | (lb) | 300 | 270 | 275 | 275 | N/A | 300 | 250 | 275 |
| Edge Screw Hold | (lb) | NA | 225 | 225 | 225 | N/A | N/A | 245 | 250 |
| Thickness Tolerance | (in.) | +/005 | +/005 | +/005 | +/005 | +/005 | +/005 | +/005 | +/005 |
| Length and Width | (in.) | +/- 0.08 | +/- 0.08 | +/- 0.08 | +/- 0.08 | +/- 1/16 | +/- 1/16 | +/- 1/16 | +/- 1/16 |
| Squareness | (in.) | <0.036" / foot | <0.036" / foot | <0.036" / foot | <0.036" / foot | +/- 1/8 | +/- 1/8 | +/- 1/8 | +/- 1/8 |
| | | | | | M | alvern, AR | | | |
| Thickness Range | (in./mm) | 3/8″ - 1 | /2″ | 15mm - 11/1 | 6″ | 18mm - 28n | nm | 1 1/8″ - | 1 1/2″ |
| Average MOR | (psi) | 3,50 | 0 | 3,500 | | 3,500 | | 3,500 | |
| Average MOE | (psi) | 350,0 | 00 | 350,000 | | 350,000 | | 350,000 | |
| Average Internal Bond | (psi) | 100 |) | 95 | | 90 | | 85 | |
| Face Screw Hold | (lb) | 300 |) | 300 | | 285 | | 275 | |
| Edge Screw Hold | (lb) | N/A | \ | 225 | | 225 | | 225 | |
| Thickness Tolerance | (in.) | +/0 | 05 | +/005 | | +/005 | | +/005 | |
| Length and Width | (in.) | +/- 1/ | 16 | +/- 1/16 | | +/- 1/16 | | +/- 1/16 | |
| Squareness | (in.) | +/- 1, | /8 | +/- 1/8 | | +/- 1/8 | | +/- 1 | /8 |

- The above physical properties are based on minimum allowable averages of individual production lots. Testing for conformance to the above specifications must be done in accordance with procedures described in the American National Standard for Medium Density Fiberboard. (ANSI 208.2 - 2016 section 6.2 Sampling for Acceptance)
- EPA recognized and CARB approved Third Party Certifier TPC-1.
- EPA TSCA Title VI certified. Complies with CARB ATCM 93120, ANSI 208.2 - 2016, CAN/CSA - 0160 - 16 for formaldehyde emissions.



- All panels are approved for interior, non-structural application.
- Contains Recycled/Recovered wood content.

Storage and Handling

TRUPAN MDF products should never be stored or used outdoors. The indoor storage area should be clean, dry, well ventilated, and free of dust, dirt or particles that could contaminate the particleboard. Store flat on stickers on a level, hard, dry surface. Constant relative humidity and temperature should be maintained. Before use, allow to stabilize to the same conditions as are expected after the panel is installed. Condition 48 to 72 hours prior to lamination. For more information, see Composite Panels Association Technical Bulletin: Storage and Handling of Particleboard and MDF.



Competitive Advantages & Benefits

TFL as a Solution:

Designers, fabricators and contractors enjoy working with **PRISM TFL** as a Design Solution.



Consistency: TFL panels deliver quality and consistency you can depend on; TFL design, color and texture never vary.

North American access: ARAUCO's production, distribution and fabrication footprint provide time and cost advantages.



Design Symmetry: PRISM TFL is all matched up; complementary edgebanding, HPL, 3DL, wrapping and moulding products are available. ARAUCO's partnerships will ensure that your project has a cohesive and natural look.

Competition is Fierce!

How to make an impact and stay on budget:



Managing costs: labor, material and operational costs add up when you're running a business. Fabricators have to do more with less.



Creativity: To win and retain clients, fabricators must use creative, efficient yet impactful designs and materials.



Build brand impression:

Material selections tell a story and shape the experience of the user; consider TFL's positive environmental, economic and cultural messages -"Experience Economy"

Consider the following cost saving illustration:

HPL SHEET + COST FACTORS

TFL PANEL



\$64



| | TFL MATERIAL COS | STS | | HPL COSTS | | | |
|------------------------------|---------------------|-------------|-------------------------------|-----------------------------------|-------------|-------------|----------------|
| | | Price/Sheet | Price/SqFt | White/Black/Gray | Costs | Price/Sheet | Price/SqFt |
| | White | \$34.75 | \$1.09 | Laminate (G2S) | \$56.32 | | |
| SOLID / COMMODITY | Black | \$43.67 | \$1.36 | PB-11/16″ x 4 x 8 | \$29.18 | | ¢0.17 |
| | Gray | \$46.88 | \$1.47 | Lay-up (.25/sf x 2) | \$16.00 | \$101.50 | \$3.17 |
| | | | | Total | \$101.50 | | |
| | | | | HPL Commodity Woodgrain | Costs | Price/Sheet | Price/SqFt |
| | | | | Laminate (G2S) | \$56.32 | | |
| | | | | PB-11/16″ x 4 x 8 | \$29.18 | ¢101.50 | \$3.17 |
| | | | | Lay-up (.25/sf x 2) | \$16.00 | \$101.50 | \$3.1 7 |
| | | | Total | \$101.50 | | | |
| | | | HPL Commodity Woodgrain/Liner | Costs | Price/Sheet | Price/SqFt | |
| | | | | Laminate | \$28.16 | | |
| | | | | PB-11/16″ x 4 x 8 | \$29.18 | | |
| | | | | Liner Grade HPL | \$23.70 | \$97.04 | \$3.03 |
| | | | | Lay-up (.25/sf x 2) | \$16.00 | - | |
| WOODGRAIN | | | | Total | \$97.04 | | |
| COMMODITY | Commodity Maple | \$44.40 | \$1.39 | White TFL/HPL Commodity Woodgrain | Costs | Price/Sheet | Price/SqFt |
| | | | | WhiteTFL-3/4″ x 4 x 8 | \$34.75 | | |
| | | | | Soverign Cherry | \$87.36 | 6100.11 | \$4.07 |
| | | | | Lay-up (.25/sf x 2) | \$8.00 | \$130.11 | |
| | | | | Total | \$130.11 | | |
| | | | | White/HPL Commodity Woodgrain | Costs | Price/Sheet | Price/SqFt |
| | | | | White Laminate | \$28.16 | | |
| | | | | PB-11/16″ x 4 x 8 | \$29.18 | | |
| | | | | Soverign Cherry | \$87.36 | \$160.70 | \$5.02 |
| | | | | Lay-up (.25/sf x 2) | \$16.00 | | |
| | | | | Total | \$160.70 | | |
| | Prism TFL Exclusive | \$64.04 | \$2.00 | HPL - Specialty Woodgrain | Costs | Price/Sheet | Price/SqFt |
| PRISM | | | | Laminate (G2S) | \$174.72 | | |
| EXCLUSIVE / HPL SPECIALTY | | | | PB-11/16″ x 4 x 8 | \$29.18 | ¢010.00 | |
| WOODGRAIN* | | | | Lay-up (.25/sf x 2) | \$16.00 | \$219.90 | \$6.87 |
| | | | 1 | Total | \$219.90 | | |

* W8325TF Sovereign Cherry Vert Matte, it's \$2.73/sf. That's single sheet price under a house account. / So \$87.36/sheet for HPL.

All pricing information shown in the table above was provided by Distributor Service Inc. and is subject to change. Please review and direct all pricing inquiries to your DSI representative.





Case Study:

Michigan Turnkey Cabinetry Operation Touts Advantages of TFL in Sales and Bidding Value Proposition



In today's design climate of value engineering, Michigan Woodwork, a company specializing in cabinetry for multi-family properties, has an idea on how to help customers reduce costs. Instead of building typical plywood boxes and wood doors requiring finish, lamination or other labor-intensive processes, Michigan Woodwork recommends that architects, designers and property developers use less-expensive, domestically sourced cabinetry constructed with thermally fused laminate (TFL) panels.

Last year, the company was asked to help value engineer a multi-family housing plan in eastern Michigan. The specifications for the 200-unit project called for an OEM cabinet with plywood veneer doors and plywood case. The total price was expected to be more than \$400,000. To demonstrate the cost effectiveness of TFL, a series of four different prototype cabinets were built using a combination of different materials.

One mock-up was a cabinet with a wood door, a maple TFL interior and a plywood dovetail drawer. This version showed cost savings of almost seven percent compared to the original specification. The most cost-effective solution turned out to be a cabinet built with a TFL door, a white TFL interior and a metal/TFL drawer, still meeting performance requirements of the developer's spec; and meeting the aesthetic and design needs of end users.

By using this value engineered approach, Michigan Woodwork's team came back with an option that cost approximately 38% less than the specified version.

"We've been a proponent of TFL for some time," said Matt Gustafson, founder of Michigan Woodwork. "Not only are the panels truer, flatter and more consistent to work with than plywood, brands like ARAUCO PRISM offer a wide variety of on-trend colors and wood-like textures that are more durable than plywood."

In 2017, Michigan Woodwork began work on cabinetry for Marketplace Phase 2, a 79unit modern multi-family complex located in downtown Lansing, Michigan. The company built 1,000 cabinets using approximately 750 sheets of ARAUCO PRISM Concrete Groovz WF393.

Concrete Groovz is a storm cloud colored, straight grained teak TFL design with a soft grey undertone, defined by mid-tone grey ticking. Constructing approximately 55 cabinets a day, the company completed the job in eight weeks while also working on other projects. Michigan Woodwork now employs more than 25 people and produces between 750 and 900 cabinets per week in both face-frame and frameless lines.

Case Study



"We recently looked at a senior-living facility that called for HPL cabinets," said Johnny Barkley, Michigan Woodwork's operations manager. "The original plan was to use panels with high pressure laminate, which was overkill. I pitched ARAUCO PRISM Silken Maple TFL. When I showed the developer the price, he was pleasantly surprised." According to Barkley, the price tag for the TFL version was 25 percent less than the HPL version.

Gustafson was born into the trades and has been around cabinetry his entire life. He founded Michigan Woodwork almost seven years ago with the desire of starting a manufacturing company. Over time, the company progressed from general millwork and custom cabinetry to store fixtures and Michigan Woodwork's current niche of multi-family cabinet manufacturing. The company and its employees are extremely proud of their roots.



"We love the state of Michigan and businesses that contribute to the local economy," Gustafson said. "While a lot of manufacturing has left, Michigan is still known for building things and I wanted to bring some of that back to the area. These people are our friends and neighbors."

Gustafson is especially excited about ARAUCO's newly built particleboard and thermally fused laminate (TFL) panel plant in Grayling, Michigan. The ARAUCO Grayling plant is a state-of-the-art manufacturing operation incorporating the latest technology. Not only does the plant provide more than 200 permanent jobs to the local economy, it also promotes efficient consumption of regional forest resources by utilizing more of each tree, including the woodchips and residuals.







Michigan Woodwork sources ARAUCO TFL and other building materials from the local Distributor Service, Inc. (DSI) facility in Warren, Michigan.

"As a distributor of panel products and other supplies to professional woodworking shops throughout the region, we are thrilled that one of our major vendors has located a new manufacturing facility right in our back yard," said DSI Detroit Sales Manager Brian Ribitch.

"ARAUCO Grayling plant provides what is basically a local, high-volume source for superior quality board with benefits we can pass down channel to our customers. The panels produced at Grayling are of outstanding quality and density, resulting in excellent machinability, less chip out and longer tool life on router bits."

Barkley explained that just because TFL provides cost advantages over other materials it does not mean that it cannot be used in higher-end projects. "I recently presented samples of Argento and Gibraltar from the PRISM Taction Oak collection for use in an up-scale, boutique-type apartment project," he said. "The developer took one look at the wood-grain pattern and realistic texture and fell in love with it."

Thanks to ultra-modern facilities like the ARAUCO plant in Grayling, thermally fused laminate has advanced a long way since simple commodity white melamine was the standard. The emphasis on sustainable manufacturing practices and modern, on-trend patterns are making TFL cabinets not just an attractive alternative, but a modern offering for designers and developers alike.

"Promoting the value-engineering benefits of TFL cabinets gives my company a competitive advantage in the sales and bidding process," said Gustafson. "TFL can be traditional or modern, it saves the developer time and money. End users love the durability of their kitchen and their return on investment. These are some of the most important aspects our customers consider. So, we strive to ensure that Michigan Woodwork and ARAUCO PRISM products fit the bill."

\$ 411,000

NATIONAL CABINET MFG Spec. Base Bid

\$ 386,000



WOOD DOOR Maple Interior Plywood Dovetail Drawer



WOOD DOOR White TFL Interior Plywood Dovetail Drawer



Savina

TFL DOOR White TFL Interior 5 pc TFL Drawer

Case Study

Building Project Name The Matadora

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TFL | Thermally Fused Laminate

arauco

• Location: Savannah, Georgia

- Owner: My Niche Apartments
- Architecture and Design Firm: BB&M Architecture
- Designer: Carey Sikes

• Description:

THE MATADORA offers an unrivaled living experience in Historic Savannah. The multifamily complex features one or two bedroom apartments with smart home features and a modern, minimalist-inspired interior, in addition to several available retail shell spaces. The Matadora appeals to young professionals looking to combine walkability with upscale amenities, including a state-of-the-art fitness center, yoga room, sauna, rooftop terrace, and more. Beyond the luxurious features and amenities, The Matadora captures Savannah's unique spirit and boasts a connection with the city's historic charm.

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To offer residents understated luxury throughout, the designer selected PRISM TFL Karuna Ash as a complement to the modern interior design choices. This design, featuring a warm, soft brown woodgrain exudes modern understated elegance and adds color and depth to the clean lines of The Matadora's kitchens and bathrooms.

• PRISM TFL Design: WF452 Karuna Ash

www.prismTFL.com





Building Project Name

Kalahari Resorts & Conventions



Location: Round Rock, TX

- Awarded Fabricator -Guests Suites: Hardwood Solutions LLC, Wilmot OH Brian Kyle
- Material was sourced by: ARAUCO's PRISM Premier TFL Distributor - Distribution Services Inc, in OH.

• Owner: Kalahari Resorts & Conventions

• In Collaboration With: Adam Fisk, Marketing Director and the resort's Design Team

• Description:

KALAHARI RESORTS are authentically African-themed, and the Round Rock resort features a one-of-a-kind modern African design with a local Texas spirit. The resorts were inspired by a Nelson family trip to Africa more than 20 years ago, when the family traveled to South Africa, Ghana and Tanzania to hand-select 1,000 pieces of African art, sculpture, furniture and retail items for the Round Rock resort. This \$600,000 art investment is part of an ongoing brand commitment to the people, places and cultures that inspire the resorts.

The resort proudly uses PRISM TFL WF397 Stromboli on the nightstands, counters, vanities and desk furniture. This design, inspired from natural banana fiber veneers, complements the authenticity of the resort's décor.

• PRISM TFL Design: WF397 Stromboli

www.prismTFL.com

Case Study

640 N. Wells-Chicago Multifamily High Rise

• Architect Hartshorne Punkard Architecture

Developer
 JDL

 Engineering and Design
 Quest Engineering / Lend
 Lease

Description

640 NORTH WELLS is one of the most anticipated Multifamily High Rise buildings in Chicago. Developer and fund provider JDL responded to PRISMS' Sawcut Texture right away as a unique finish that could enhance the interiors of their building. Hartshorne Punkard Architecture (HPA) encouraged the combination of our Sawcut texture on tightly structured, lineal patterns, Concrete Groovz and Zambukka. This winning combination mirrors the high end contemporary feel of the building. Quest Engineering won the project through Lend Lease and delivered outstanding product on time and on budget.

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P R / S M

LOVE YOUR LAMINATES





Building Project Name

Entourage-sur-le-Lac Hotel Resort

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Location Lac-Beauport, QC

- Interior Design Camdi Design
- Owner Lac-Beauport Corporation

Description

THE ENTOURAGE-SUR-LE-LAC HOTEL AND RESORT is situated only 30 minutes north of Québec City, in the ski town of Lac-Beauport. It is nestled in beautiful, serene surroundings between a charming lake and a ski mountain.

The team at Camdi Design selected high quality finishes and materials to create and convey a sophisticated decor and atmosphere.

They carefully selected and specified PRISM TFL WF301 Noce Vettore to enhance the modern, contemporary feel and attention to details of the hotel to create a cozy and lush decor for hotel guests.

www.prismTFL.com



Case Study

Project Name

Desrochers & Turcotte Montréal, Québec Dental Clinic

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- Interior Design Emilie Robert and Jocelyne Daoud
- Owner Patterson Dentaire

Description

The Interior Designers Emilie Robert and Jocelyne Daoud from Patterson Dentaire used PRISM TFL SF233 Fossil in suede texture to create a contemporary and welcoming decor.







Building Project Name

Studio 88 Newport Beach, CA

arauco PR/SM LOVE YOUR LAMINATES

Location: Newport Beach, CA

Fabrication

DeskMakers

Products:

Reception Desk, Conference Tables, TeamWorx & Custom Casegoods

• Scope:

30 Workstations, 3 Conference rooms, Reception

Description

Founded on the principles of style and function, Studio 88 serves the homebuilding, hospitality and luxury residential marketplace. When it came to designing their modern Newport, California office, Studio 88 chose DeskMakers for its functionality and affordability. The Distressed Laminate Collection is on full display throughout the space.

 PRISM TFL Design: Reclamation Maple and White

Images courtesy of Deskmakers

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www.prismTFL.com



Case Study

Halton Provincial Offences Courthouse

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- Location: Burlington, Ontario
- Owner: Ontario Court of Justice
- Architecture and Design Firm: +VG Architects
- Designer: Natasha Klomp
- Distributor: Upper Canada Forest Products
- Fabricator: WoodLogix Interior

• Description:

+VG Architects designed a process-oriented architecture Courthouse for the City of Burlington that was reflective of the landscape of the Halton Region. In selecting materials for the building, the designer specifically chose products and materials that were low maintenance and will provide long-term durability. The color scheme selected tended toward natural, neutral colors warmed with traditional color accents to underscore the calm and dignified courthouse functions. The designer selected PRISM TFL WF442 Chique in a Velvet texture to add warmth and depth to the ceiling through this elegant European Walnut woodgrain.

 PRISM TFL Design: WF442 Chique

www.prismTFL.com

26 | TFL BUYER'S GUID



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PRISM

LOVE YOUR LAMINATES

Building Project Name Inkwell Decatur Apartments



• Owner: Davis Development

• Designer: Catherine Clements, Senior Interior Designer, Davis Development

• Description:

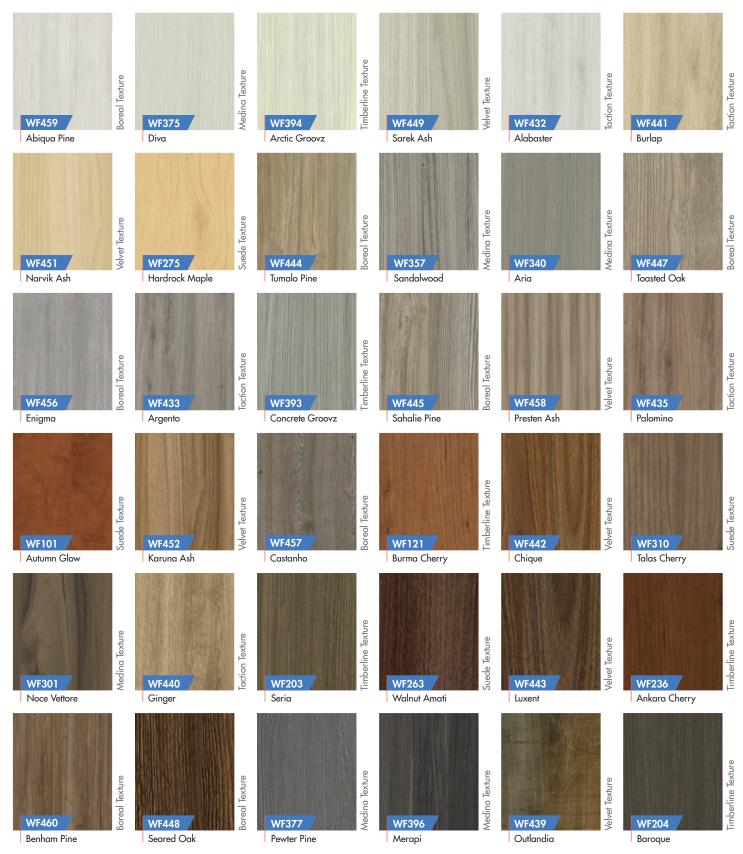
INKWELL DECATUR APARTMENTS mingle an upscale setting with an inviting atmosphere in this new multifamily community in Decatur, Georgia. Built during 2020, this luxurious apartment complex was designed with young professionals in mind, featuring a rooftop saltwater pool deck with grilling, cabanas, and lounge areas, a fitness center, cinema theater, a dog spa, a social lounge with catering kitchen, gourmet coffee and tea bar, gaming, and TVs.

To capture visual interest and integrate with the overall vitality and design intent for the space, the designer selected PRISM TFL WF226 Zambukka for an updated look for cabinetry in the common bar areas, the shared kitchen, and the gym. The designer also selected Prism TFL due to its durability, ease of fabrication and installation, and superiority to other laminate materials.

• PRISM TFL Design: WF226 Zambukka







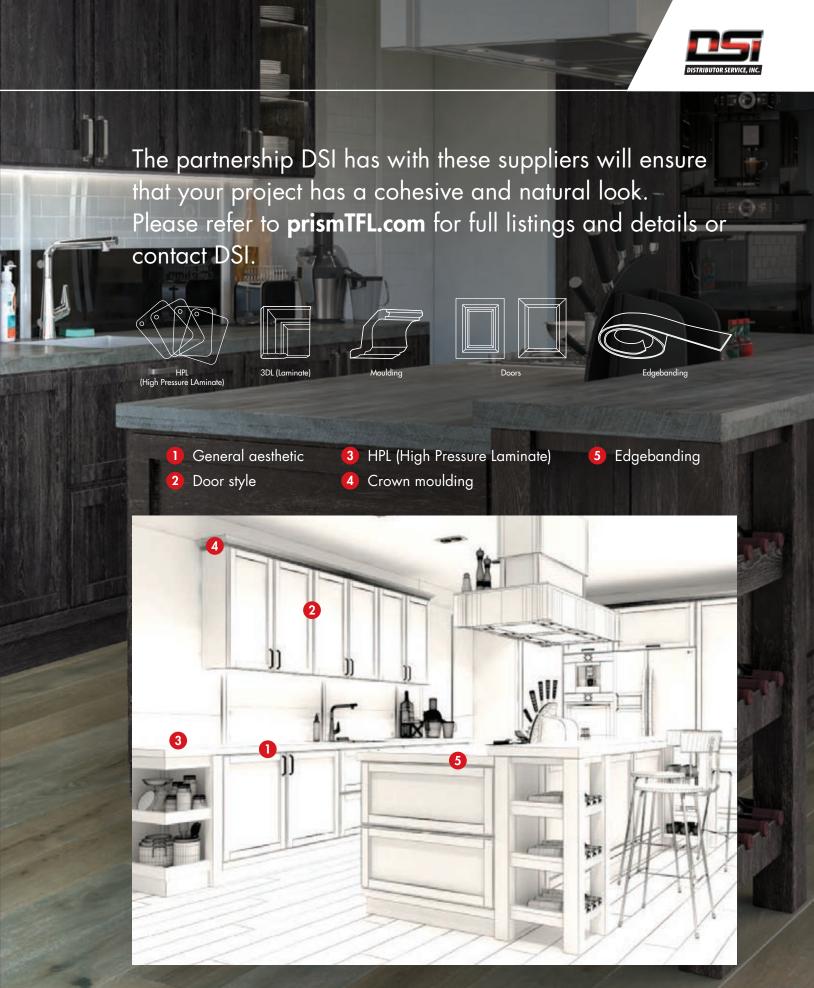






Matching & Complementary Products

PRISM TFL is all matched up! Our Symmetry Program features a wide array of complementary products. Edgebanding, HPL, 3DL, doors, wrapping and moulding products are available for our entire collection.



Doors Program / Product Availability

WF458

WF344

WF228

WF449

WF448

AF210

WF310

WF447

SF100

WF462

W100

W300



171 Grand Avenue, Mt. Clemens, MI 48043 Phone: 586.468.4765 **JB Cutting** has access to the entire PRISM TFL collection. Designs and textures not listed may be available upon request, and with minimums. Visit www.prismTFL.com to see the entire collection.

To see a wider range of profiles, visit www.jbcutting.com



PRESTEN ASH

MILANO SABLE GLOW

SAREK ASH

SEARED OAK

ALUMINUM

TALAS CHERRY

TOASTED OAK

WALLOWA PINE

SNOW/WHITE

SNOW/WHITE

HARMONY

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| SHAKER 5 PIECE (***) | | TRANSITIONAL 5 PIECE | | STOCK THERMOFOIL (3DL) COLOR |
|----------------------|--------|----------------------|------------------|------------------------------|
| PRISM | | Stocked in 3DL | Stocked in 5PC 📧 | JB CUTTING Name |
| ABIQUA PINE | WF459 | • | • | ABIQUA PINE |
| ANKARA CHERRY | WF236 | • | | CHERRY BLOSSOM |
| ANTIQUE WHITE | SF210 | • | • | ANTIQUE WHITE |
| ARCTIC GROOVZ | WF394 | • | • | ARCTIC GROOVZ |
| ARIA | WF340 | • | • | ARIA |
| ASHEN | SF232 | • | | ASHEN |
| AUTUMN GLOW | WF101 | • | • | COGNAC |
| BERGEN ASH | WF450 | • | • | BERGEN ASH |
| BLACK | BLK100 | • | | JET BLACK |
| BURMA CHERRY | WF121 | • | | RUSTIC CHERRY |
| CELADON | SF251 | • | • | CELADON |
| CHARRED OAK | WF446 | • | | CHARRED OAK |
| CONCRETE GROOVZ | WF393 | • | • | CONCRETE GROOVZ |
| DESERT GLOW | WF100 | • | | DESERT GLOW |
| DIVA | WF375 | • | • | DIVA |
| FOG GREY | SF213 | • | | SOLID OPTI GRAY |
| FOLKSTONE | SF208 | • | | NORTHERN GREY |
| HARDROCK MAPLE | WF275 | • | | HARDROCK MAPLE |
| KARUNA ASH | WF452 | • | • | KARUNA ASH |
| LICORICE GROOVZ | WF392 | | • | LICORICE GROOVZ |
| MERAPI | WF396 | • | | MERAPI |
| MERIT MAPLE | WF229 | | • | CLASSIC MAPLE |
| MYSTERIOUS | SF247 | • | | MYSTERIOUS |
| | | | | |

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Contact JB Cutting for profiles available.

PRESTEN ASH

SABLE GLOW

SAREK ASH

SEARED OAK

SILVER FROST

TALAS CHERRY

TOASTED OAK

VICTORIAN WHITE

WALLOWA PINE

WHITE (Suede)

WHITE (Suede)

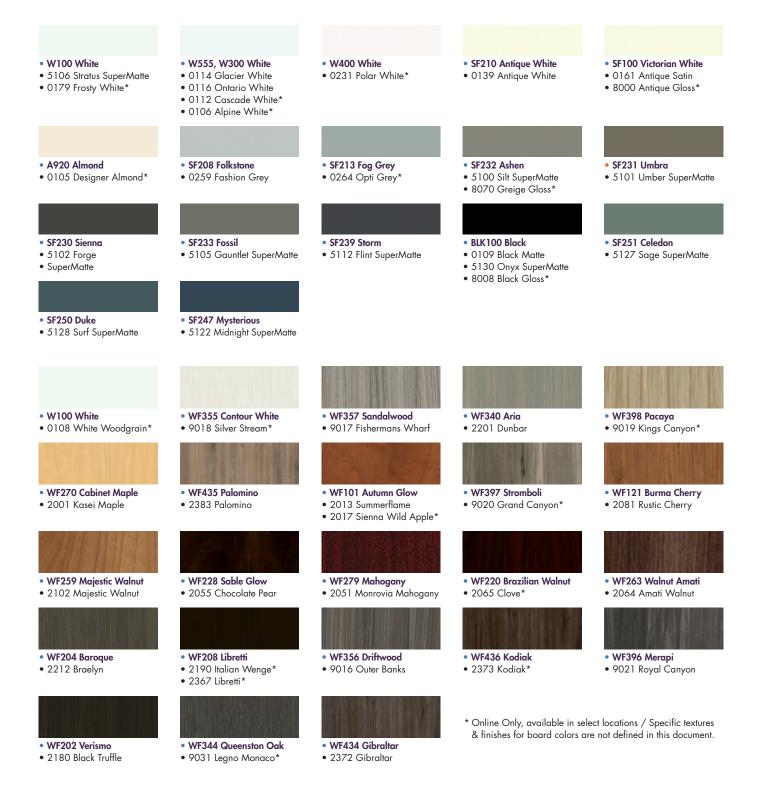
QUEENSTON OAK





Northern Contours, one of the most highly qualified & experienced pressers of cabinet doors in North America, supplies an attractive selection of Prism design matched doors and components. *For availability and full program details:

877-998-1814 www.northerncontours.com info@northerncontours.com



Design Symmetry

Olon Accesory Moulding Program

NEXGEN® Signature

| ARAUCO | | | | Finish | | |
|--------------|--------|----|-----|--------|-----|-----|
| PRISM | Colour | ΤХ | BEL | FRE | ELI | NAT |
| Mysterious | SF247 | | | | • | |
| Duke | SF250 | | | | • | |
| Celadon | SF251 | | | | • | |
| Quarry | SF252 | | | | • | |
| Adobe | SF253 | | | | • | |
| Zambukka | WF226 | | • | | | • |
| Mochatini | WF296 | | • | | | |
| Talas Cherry | WF310 | | | | | • |
| Aria | WF340 | | • | | | • |
| Linear Ash | WF368 | | • | | | |
| Diva | WF375 | | • | | | |
| Pewter Pine | WF377 | | • | | | |

NEXGEN® Flex

A decorative laminate engineered to provide superior radius performance for profile wrapped mouldings.

| ARAUCO PRISM | Colour | Finish | | | | |
|-----------------|--------|--------|-----|-----|-----|--|
| | | ΤХ | BEL | KAS | NAT | |
| Soprano | WF341 | | • | | | |
| Licorice Groovz | WF392 | | | | • | |
| Concrete Groovz | WF393 | | | | • | |
| Arctic Groovz | WF394 | | | | • | |

Standard Finish

- TX = Textured use for ARAUCO PRISM Suede
- BEL = Belluro finish use for ARAUCO PRISM Medina
- ELI = Elista finish use for ARAUCO PRISM Velvet (Solid)
- FRE = Fresno finish use for ARAUCO PRISM Velvet (WG)
- \bullet HAV $\,$ = Havana finish use for ARAUCO PRISM Boreal
- KAS = Kasha finish use for ARAUCO PRISM Taction
- NAT = Natural finish use for ARAUCO PRISM Authentick and Timberline
- ELI = Elista finish use for ARAUCO PRISM Velvet (Solid)
- STX = Smooth texture finish (Clon generic White)

| | | Finish | | | | |
|--------------|--------|--------|-----|-----|-----|--|
| ARAUCO PRISM | Colour | BEL | FRE | HAV | KAS | |
| Alabaster | WF432 | | | | • | |
| Argento | WF433 | | | | • | |
| Gibraltar | WF434 | | | | • | |
| Palomino | WF435 | | | | • | |
| Kodiak | WF436 | | | | • | |
| Ginger | WF440 | | | | • | |
| Burlap | WF441 | | | | • | |
| Chique | WF442 | | • | | | |
| Luxent | WF443 | | • | | | |
| Tumalo Pine | WF444 | | | • | | |
| Sahalie Pine | WF445 | | | • | | |
| Charred Oak | WF446 | | | • | | |
| Toasted Oak | WF447 | | | • | | |
| Seared Oak | WF448 | | | • | | |
| Sarek Oak | WF449 | | • | | | |
| Bergen Ash | WF450 | | • | | | |
| Narvik Ash | WF451 | | • | | | |
| Karuna Ash | WF452 | | • | | | |
| Castanho | WF457 | | | • | | |
| Presten Ash | WF458 | | • | | | |
| Abiqua Pine | WF459 | | | • | | |
| Benham Pine | WF460 | | | • | | |
| Koosah Pine | WF461 | | | • | | |
| Wallowa Pine | WF462 | | | • | | |

| ARAUCO PRISM | Colour | Finish | | | | |
|---------------|--------|--------|-----|-----|-----|--|
| ARAUCO PRISM | Colour | ΤХ | STX | BEL | NAT | |
| Antique White | L0994 | • | • | • | | |
| Polar White | LO949 | • | • | • | | |

Notes

- \bullet = Available in color and finish as indicated above
- • = Phase out program until stock is depleted

HPL & Accessories



HPL, Laminate Products & Edgeband

PRISM TFL designs are matched to the industry's leading laminate producers so that you have a cohesive look!



Olon NEXGEN® LINK25 Formable Laminate is intended for application to vertical or light duty horizontal surfaces where design, appearance, quality, durability and outstanding resistance to impact, scuff, stain, wear and heat resistance are required.

NEXGEN



DSI distributes edge bands from all the industry leaders.

DSI delivers edge bands from Rehau[®] and our experts will match your projects with thousands of colors and multiple formulations in industry standard sizes. We've got edge banding in PVC and polyester, and we can provide T-moulding and bullnose bevel edges for professional millwork and cabinetry

Mohawk fill sticks coming soon!









Thermally fused laminate

(TFL) is a sustainable, cost-effective material choice. The production of TFL is extremely resource efficient and because of its performance characteristics, TFL remains durable in even the most demanding working environments.





Sustainable climate positive material



Realistic textures and designs



Far more durable than wood or veneer



Design matching programs for value engineering

0



Commercial-grade performance



Competitive pricing

0

Contact Information

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Chris Heidenreich chrisheidenreich@maildsi.com 614-955-8752

Information or ordering TFL and complementary* products

800-745-1778

Olon

Mark Kaleth mkaleth@olon.com 248-736-5256

JB Cutting

doororders@jbcutting.com 586-468-4765

Northern Contours

info@northerncontours.com 877-998-1814

Rehau

www.rehau.com/us-en/edging 703-777-5255



* Complementary products including HPL, formable laminate, edgeband, doors, moulding and accessories.

References

Page 6 - **Product Lens, EPD information can be sourced from na.arauco.com under Resources,** mindful MATERIALS: https://www.mindfulmaterials.com/ Page 8 - Interiors&Sources, TFL Panels Demystified, June 2016





INTRODUCING DSI'S NEW E-COMMERCE WEBSITE SHOP.DISTRIBUTORSERVICEINC.COM

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SHOP.DISTRIBUTORSERVICEINC.COM



Page 15 - "Experience Economy": https://inhabitat.com/the-top-5-issues-affecting-interior-design-today/interiors-shape-experience/

Other Resources: na.arauco.com, prismTFL.com, compositepanel.org, climatepositivenow.org





Call DSI at 1-800-745-1778

Hours: 7:30am – 4:30 p.m., Mon-Thu & 7:30 a.m. – 4:00 p.m. Friday

DSI Corporate

1 Dorrington Rd. Carnegie, PA 15106 Customer Phone: 1-800-745-1778 - Option #5 Customer Fax: 1-800-792-5081

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Please refer to **DSI's PRISM TFL** page for details and current information.



Take the **TFL CEU** and become an expert!





