

# LAMINATED PANELS

Panel Processing is a leader in low pressure and high pressure laminating with component fabrication abilities. With laminating capabilities at most of our locations, we can offer customers the capacity to turn around high-volume runs in a timely manner. We have hot and cold press lines, pre-applied laminating lines, TFL press lines and wet laminating lines allowing us to provide a variety of laminating and finishes.



## HIGH PRESSURE LAMINATES (HPL)

High Pressure Laminate (HPL) is a decorative surface that is both aesthetically pleasing and highly durable. Designed to withstand the wear and tear of daily use without losing any of its visual appeal, High Pressure Laminating is recommended for surfaces that are highly trafficked on a regular basis. Therefore, HPL is a great choice for applications in retail, hospitality, healthcare, and educational settings.

- Sheet Sizes: 4' & 5' wide with various lengths available
- Thickness Available: 5.5mm (1/4") - 1-1/4"
- Thousands of designs and colors available from our preferred suppliers (minimums may apply)



## THERMALLY FUSED LAMINATES (TFL)

At our Klamath Falls facility in Oregon, we operate a Wemhöner Thermal Fused Laminate Line where we produce TFL panels. TFL is becoming a more widely used product, and we are growing with that need by offering decors from several paper manufacturers from the industry as well as our own colors.

- Sheet Sizes: 4' & 5' wide with various lengths up to 10' available
- Thickness Available: 5.5mm (1/4") - 1-1/2"
- Over 40 standard designs and colors in stock
- Additional colors available from preferred suppliers (minimums may apply)
- 4 textures available: Stipple, Matte, Caldera & Cleetwood

## THE CRATER LAKE COLLECTION

The Crater Lake Collection is Panel Processing's exclusive TFL collection with 9 colors and 4 textures hailing from our facility in Klamath Falls, Oregon. The colors and textures embrace natural elements that are inspired by Crater Lake and the surrounding area. From the sand on the shore, the deep, clear blue waters to the wave worn driftwood, the natural elements that have been captured in the design evoke a feeling of warmth and sentiment. Matching edgebanding available.

## SIGNATURE TFL COLLECTION

Over 35 colors in stock, available in 4 textures. The Signature Collection represents some of our most popular designs. We have additional designs in stock and can order from several paper manufacturers on request.

## TFL COLLECTION OPTIONS

- 4 textures available: Stipple, Matte, Caldera & Cleetwood
- Matching edgebanding available for most colors
- Matching HPL available for most colors  
(Refer to our TFL Edgebanding Cross Reference Sheet and TFL HPL Cross Reference Sheet for more information)



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# MELAMINE DECORATIVE PAPER/FOIL

Melamine Decorative Paper/Foils are ideal as an economical overlay typically utilized for vertical surfaces. Advances in gloss and texturing along with high quality printing and thousands of colors and patterns make Melamine Papers and Foils an ideal solution for low wear applications without having to sacrifice quality and appearance. Melamine Decorative Paper/Foils are widely used in cabinets, store fixtures, paneling, shelving, closet systems, ready to assemble furniture (RTA) and home office furniture. Decorative Paper and Foils are also great on slatwall systems for home storage or retail settings.

- Sheet Sizes: 4' & 5' wide with various lengths available
- Thickness Available: 5.5mm (1/4") - 1-1/4"
- Over 30 standard designs and colors in stock
- Thousands of designs and colors available from our preferred suppliers

## Cores & Boards for All Laminated Panels

### MDF (MEDIUM DENSITY FIBERBOARD)

- Light colored and a flat surface
- Engineered for a smooth, unblemished surface
- Homogeneous core for great machining and throughput
- Thickness Available: 1/4" - 1-1/4"

### HDF (HIGH DENSITY FIBERBOARD)

- Light colored and a flat surface
- Engineered for a smooth, unblemished surface
- Homogeneous core for great machining and throughput
- Higher density, made from compressed wood fibers
- Thickness Available: 1/8", 3/16", 7/32"

### PARTICLEBOARD

- A light brown to buff color allowing for the use of light laminate papers
- Denser and more uniform than wood and plywood
- Excellent machinability which extends tool life
- Board with a high percentage of Western pine fiber from Collins Pine, NAF and FSC® certified available from our Oregon location
- Thickness Available: 3/8" - 1-1/4"

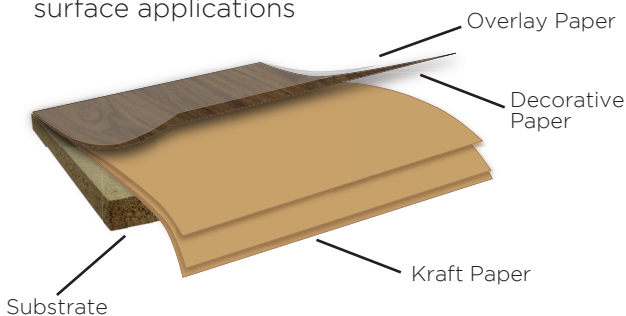
### PLYWOOD

- A light brown to buff color
- May contain knot pattern
- Excellent for cutting, engraving and CNC machining
- Exceptional strength
- Great screw holding power
- Numerous plies and few core voids, making it strong and stable
- Thickness Available: 1/8" - 1-1/4"

## Decorative Surfaces 101

### HIGH PRESSURE LAMINATE (HPL)

- High Pressure Laminate is created by saturating multiple layers of kraft paper with resin, placing a layer of décor paper on top, and fusing it all together using heat and pressure
- The curing process transforms the resin into a plastic, converting the paper into a rigid laminated sheet
- High Pressure Laminating is excellent for high impact surface applications



### THERMALLY FUSED LAMINATE (TFL)

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

