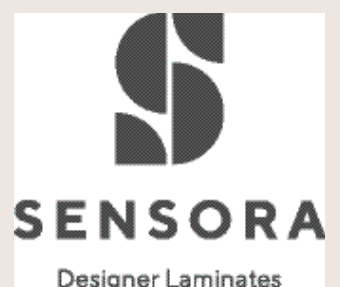




PanelLam

SPECIFICATIONS - 2021



PanelLam is a high quality, prefinished panel overlaid with a decorative HPL laminate. PanelLam panels can be double or single sided, with a range of thicknesses available. The extensive range of colours, textures and styles of PanelLam finishes opens the doors to a world of possibilities. Satisfying aesthetics, durability and functionality for any tupe of space, theme, idea and application.

HPL is made with sheets of paper impregnated with phenol and melamine resins and pressed together under high pressure at high temperatures with a resulting 0.8mm thickness. HPL has a durable surface that is easy to care for, with options for anti-bacterial and finger-print resistant properties.

1. INTENDED USE

PanelLam is well suited for the following applications:

- Kitchen, bathroom and laundry cabinetry
- Hospitality furniture
- Medical anti-bacterial surfaces
- Shop fittings and displays
- Interior wall linings
- Motorhome and caravan interiors
- Commercial automotive joinery
- Boat joinery

2. LIMITATIONS

- Must not to be exposed to excess dampness or humidity.
- May not be used as structural elements in walls and ceilings.
- Final application must be in interior conditions

3. FEATURES

- Lamination adhesive is a water resistant, hot melt glue.
- All raw material comes from sustainable sources.
- Heat resistant
- Stain resistant
- Impact resistant
- Scratch resistant
- Water resistant

4. SUBSTRATES

Standard (MDF):

MDF is NZ made and has excellent strength and quality as well as being environmentally certified.

Moisture Resistant (HMR) and Light Board (LDF) are also available on request but not stocked.

Hardwood Thin PLY:

Indonesian hardwood thin ply is great for wall linings and to achieve weight and cost savings. The timber is sourced from sustainably managed forests and made into a high-quality three-ply plywood.

European Poplar:

Weighs approximately 420kg per M3 which makes it an ideal product for automotive joinery. The ply is produced by a leading European manufacturer from logs sourced from sustainably managed forests. The ply is excellent to machine, handle, and gives a strong, light result.

Multi-Layer Poplar:

Weighs approximately 420kg per M3. Multi-Layer Poplar Plywood is a European board manufactured with a black glue line to create a decorative edge. Ideal for exposed edge cabinetry and produces a light, modern look. Great to machine and lightweight to handle.

European Birch:

European Birch has a weight of 700Kg per M3 made up of veneers with an approximate thickness of 1.3mm. Major uses include high-end joinery.

- Impact resistant

- Scratch resistant
- Water resistant

5. ENVIRONMENT and SUSTAINABILITY

PanelLam ply is sourced from sustainable forests and processed in fully qualified FSC and PEFC mills. This insures what Sensora supplies to the market reflects the values we carry as environmentally responsible New Zealanders.

NZ made MDF meets Environmental Choice standards for formaldehyde emission levels of E0 <= 0.5mg/L which makes the product safe to work with. It is sourced from sustainable NZ pine plantations.

PanelLam HPL laminate is made using paper from wood fibers and other environmentally safe products. It contains no PVCs, toxic metals or contaminants, thus providing you with the environmentally friendly option. All our HPL has achieved the Singapore Green Label which is a GEN Member Ecolabel.

6. COMPLIANCE

All Sensora panels, including PanelLam are manufactured using E0 <= 0.5mg/L substrate to meet FSC formaldehyde emissions standards. MDF substrate has been tested to New Zealand Building Code Verification NZBC C/VM2 Fire Classification Group Number 3. HPL laminate is BS EN 438-3 approved, which is a universally recognised standard for laminates that are <2mm thick and intended for bonding to a foundation substrate. All panels must be used in accordance with the NZ Building Code.

For reports, email sales@sensora.co.nz.

7. CARE and MAINTENANCE

PanelLam finished panels are easy care and can be cleaned with a slightly damp cloth and glass cleaner or standard household cleaning spray. Dry with a damp cloth. Avoid exposing panels to excess water or liquid as they are only water resistant, not waterproof. Do not bring MDF substrates in contact with liquid.

Never use the following products on Panellam panels:

- Abrasive cleaners
- Bleach such as Janola or similar
- Scouring pads, wire wool, sandpaper
- Solvents and thinners.

Store panels flat on a scratch-free surface. Do not lean panels upright for extended periods of time as this can cause bowing.

8. WARRANTY

Sensora offers a 10 year warranty on all its panels providing their final application follows the information outlined above and as set out in the PanelLam Warranty and is in accordance with the PanelLam MSDS Sheet.