TitanPanel

MSDS - 2021

SENSORA

Designer Laminates

TitanPanel is a high quality, prefinished panel overlaid with a decorative laminate. The laminate is a high quality melamine surface with increased impact and durability which makes the product fit for purpose in many applications, and especially well-suited to construction of interior joinery.

TitanPanel Laminate is CPL product that has a melamine surface. CPL has increased impact resistance while been easy to use and providing a high end finished panel. The major benefit of this laminate is it economic and is available on a both MDF and Plywood substrates.

TitanPanel Substrate is sourced from responsible resources in New Zealand and around the world. TitanPanel is available on a range of substrates; MDF, European Poplar and Birch Ply's. It is also available in a range of thicknesses.

This MSDS sheet should be read in conjunction with the TitanPanel specifications.

1. RECOMMENDED USE:

- TitanPanel is well suited for the following
- applications:
- Kitchen, bathroom and laundry cabinetry
- Shop fittings and displays
- Interior wall linings
- Motorhome and caravan interiors
- Commercial automotive joinery
- Boat joinery

TitanPanel is suited to interior conditions only

2. DESCRIPTION

- Decorative panels of varying thicknesses consisting of a wooden board substrate with a laminated CPL surface/s.

3. SUPPLIER DETAILS

Name: Sensora Designer Laminates

Address: 10 Mako Street, Dargaville, 0310

Phone: 0800 002 567

Email: sales@sensora.co.nz

Website: sensora.co.nz

4. HAZARD IDENTIFICATION

GHS classification: MDF is not classified. Wood/laminate dust is classified.

In their intact, inert state, CPL laminated panels are not a hazardous material.

Wood/laminate dust is hazardous and is classified by the World Health Organization as cancer causing. Dust and air may form explosive mixtures.

This product contains and may release formaldehyde. Formaldehyde has been evaluated by IARC as group 1, carcinogenic to humans.

5. FIRE FIGHTING MEASURES:

TitanPanel panels can be ignited at temperatures above 185 °C

Avoid accumulations of dry dust in small areas as this can be explosive.

To extinguish: Use water, or fire-fighting foam

6. ACCIDENTAL RELEASE MEASURES:

Remove machine dust using dust extraction or vacuum equipment. Dispose of dust and discarded panels in a safe manner according to local council regulations.

7. HANDLING and STORAGE / EXPOSURE CONTROLS / PERSONAL PROTECTION:

Employ best handling practices when moving panels due to their size/weight. Ensure correct equipment is worn when handling/machining panels, including safety footwear, eyewear, gloves and dust masks. Machine panels only in well ventilated areas and remove excess dust from the area as soon as possible.

Store panels in dry, well-ventilated conditions, avoid over-stacking, and keep away from flames or excess heat. Do not lean panels upright.

Occupational Exposure Limits:

- Wood Dust = TWA 2mg/m3
- Formaldehyde = WES-TWA 0.3ppm / WES-STEL 0.6ppm

8. PHYSICAL and CHEMICAL PROPERTIES:

Appearance: TitanPanel panels consist of a wood substrate overlayed with a melamine finish, and are manufactured with a wide range of thicknesses and varying lengths, widths, and density.

Boiling Point/Melting Point: Not Applicable

Vapour Pressure: Not Applicable

Specific Gravity: 0.3 to 1.0

Flash Point: Not Applicable

Solubility in Water: Negligible

Ignition Temperature: >185°C

9. STABILITY and REACTIVITY:

Chemical Stability: Stable under normal conditions of storage, use and handling. Avoid heat, sparks, open flames and other ignition sources

Reactivity: Incompatible with oxidizing agents (e.g. nitrates) and acids (e.g. hydrochloric acidic). May evolve toxic gases (carbon/ nitrogen oxides, ammonia, formaldehyde, hydrocarbons) when heated to decomposition. May evolve hydrogen cyanide.

10. TOXICOLOGICAL INFORMATION:

Acute/Short Term Health Effects of wood/ laminate dust

Swallowed: May cause abdominal discomfort

Eyes: Irritation resulting in redness and watering

Skin: May result in itchiness and dermatitis in some people

Inhaled: Irritation of the throat, nose and lungs.

If the panels are heated to more than 120°C or are burning or smouldering, vapours may be irritating to eyes, skin and respiratory system.

Chronic/Long Term Health Effects of wood/laminate dust and formaldehyde:

Repeated inhalation of wood/laminate dust may increase the risk of nasal and Para nasal sinus cancer and lung fibrosis. May also lead to increased sensitivity of skin and respiratory system.

The International Agency for Research on Cancer has labelled wood and laminate dust in Group 1, carcinogenic to humans. It has labelled Formaldehyde in Group 1, carcinogenic to humans. For more information on effects from wood/laminate dust and formaldehyde exposure go to www.iarc.fr.

11. DISPOSAL:

Reuse where possible. Offcuts and general waste should be stored in closed containers and disposed according to local council regulations. Do not burn as a household fuel.

12. REGULATORY INFORMATION

New Zealand Worksafe Exposure Standards