

Technical Data Sheet

Thermoform

Dezignatek Thermoform panels are made by wrapping vinyl film around the face and edges of an HDF MR drawer, door or panel to provide a seamless, durable and moisture-resistant finish. Thermoform is chip resistant unlike a lacquer finish. The back face is traditionally melamine

1. INTENDED USE

Dezignatek Thermoform can be used for doors, drawers and panels in kitchens, wardrobes, wall linings, bathroom vanities, laundries, commercial furniture, shop fittings and shelving. Thermoform comes in a variety of colours, finishes and profile options.

2. LIMITATIONS

Dezignatek Thermoform is not suitable for use in exterior applications or interior applications where ambient environmental moisture content is likely to be elevated for extended periods such as interior swimming pool, sauna or industrial wet areas.

While Dezignatek Thermoform has excellent water and vapour resistance, care should be taken not to expose to high moisture applications. This includes above hobs and ovens where exposure to heat and steam may occur.

When designing with thermoform vinyl, prolonged or excessive exposure to high temperatures or direct sun should be avoided. This is especially true for darker colours that will absorb more heat.

Surface temperatures above 50 degrees Celsius may result in delamination and will not be covered by warranty. This includes delamination caused by heat-generating appliances or steam-mops used under doors.

Where Dezignatek Thermoform is required to meet the requirements of the New Zealand Building Code, or forms part of a building system, the application and supporting structures

must be designed by suitably qualified design professionals.

3. MANUFACTURE

Dezignatek Thermoform is made from solid coloured or printed décor vinyl and applied by vacuum heat and pressure to provide a seamless finish.

Dezignatek doors, drawers and panels are made at the New Zealand Panels Group Auckland manufacturing facility.

4. PHYSICAL PROPERTIES

Physical properties and testing data varies by supplier. Contact Dezignatek for specific information on products and the relevant SDS.

VOC (HDF)	Standard	Rating	Emissions
Formaldehyde	AS/NZS 1859.2	E0	≤0.5mg/lit

5. SUBSTRATE OPTIONS

High density fibreboard (HDF) with moisture resistance(MR) is used in the production of Dezignatek Thermoform doors, drawers and panels to provide a smooth finish. HDF MR has an increased fibre content making it more resistant to moisture and more stable than standard MDF.

6. COMPLIANCE

Clause B2 Durability: Dezignatek Thermoform meets the durability requirements for interior linings of 5 years in accordance with B2 3.1 (c).

7. ECO CHOICE AOTEAROA

Dezignatek Thermoform in solid colours carry Eco Choice Aotearoa accreditation when pressed on 9-30mm HDF. The Eco Choice Aotearoa certificate (licence No. 3210078) for EC-32-17 Furniture, Fittings & Flooring is available to download on the Dezignatek website www.dezignatek.co.nz

To view all the Eco Choice Aotearoa certified products from New Zealand Panels Group, view our profile on the Eco Choice Aotearoa [website](http://www.ecochoice.co.nz).

8. SUSTAINABILITY

As a leader in the panel industry New Zealand Panels Group adopts and promotes sustainable business practices designed to minimise our environmental impact.

The company continues to search out alternative products to meet the growing needs of our environmentally conscious customers, while creating processes in our manufacturing plant that are mindful of the environment for future generations.

Some of the sustainable principles include:

- Promoting the use of sustainably-sourced veneers, melamine and boards.
- Supplying low formaldehyde board.
- Reducing our manufacturing waste.
- Developing new processes to minimise energy consumption.
- Our purpose-built plant in East Tamaki features a number of initiatives that have significantly improved our environmental footprint, including a GreenStar 4 star rating for the building.

9. CARE AND MAINTENANCE

Dezignatek Thermoform is low maintenance and easy to clean. Simply wipe down with a clean, damp cloth. Spills, splashes, stains and greasy fingerprints should be tackled early with warm water and detergent or a general purpose spray and wipe cleaner.

Note that the use of steam mops in the vicinity of Thermoform doors, drawers or panels is not recommended.

IMPORTANT:

Always wipe with a damp cloth, then a dry cloth after cleaning to remove moisture. Never use abrasive cleaners or cleaning tools on Dezignatek Thermoform such as; Jif, Vim, Brasso, steel wool or abrasive sponges. Do not use paint thinners, solvents and Methylated Spirits under any circumstances. Do not use citrus based cleaners as these may cause damage and leave a sticky residue on the surface.

10. HEALTH AND SAFETY

Dust from wood and resins used in the manufacture of Dezignatek Thermoform are known health hazards. When machining panels, including drilling, planing, routing and sawing, a suitable class P1 or P2 respirator should be worn along with non-fogging safety glasses.

To avoid cuts from sharp edges, suitable protective gloves should be worn.

11. HANDLING AND STORAGE

Store only in dry interior conditions on a minimum of three bearers across the full width of the panels keeping the panels flat at all times.

- Avoid leaning panels and doors against walls.
- Do not store or transport panels in direct sunlight.
- Store panels and doors where construction traffic and construction activity will not damage panels.
- Treat panels and doors as a finished product and avoid dragging panels on the outer surface or across other surfaces.

12. WARRANTY

New Zealand Panels Group offers a 10 year warranty on its range of Dezignatek products provided it is used for its intended purpose as interior cabinetry, and stored and installed in accordance with best practice, in a tradesman like manner and in accordance with relevant Standards and New Zealand Building Code requirements. To view a copy of the full warranty, please download from our website at www.dezignatek.co.nz

13. TECHNICAL SUPPORT

Further information and technical support is available by contacting Dezignatek on 0800 333 350. This publication was issued in November 2024. Please ensure that you are using the latest publication by contacting Dezignatek or downloading the latest Technical Data Sheet from www.dezignatek.co.nz. Dezignatek, a business unit of New Zealand Panels Group, reserves the right to make changes to information in this publication without notice.

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