

Melteca Hi-Gloss Panels are manufactured on a durable MRE0 Medium Density Fibreboard substrate providing an ideal platform for a gloss decorative finish. The decorative surface comprises melamine resin technology to provide the same secure surface as provided by the suite of Melteca low pressure decorative surfaces, suited to vertical applications.

APPLICATIONS

Melteca Hi-Gloss Panels are designed for interior use, such as drawers, doors and end panels. Hi-Gloss Panels are available in a selection of decors with matching Melteca Hi-Gloss solid edging.

APPEARANCE

The Hi-Gloss Panel gloss level, as expressed in 60 degree units, conforming to ISO 2813 is specified as a minimum of 105 units and may exceed 110 units on some decors, on the top or face side of the board and ≥ 95 units on the bottom or back side of the board.

Melteca Hi-Gloss Panels present best in the following lighting conditions: Natural daylight, defused fluorescent lighting, incandescent lighting, Halogen and other forms of Down/Spot lighting. Some lighting such as factory style non-defused Fluorescents, Metal Halide, or daylight distributed by transparent roof sheeting may reduce the surface reflectivity and unity of the Hi-Gloss surface.

Note:

Due to the high reflective surface, some imperfections may be noticed in the surface due to slight substrate variations, contamination from packaging and transport and marking of the surface from handling.

DECORATIVE SURFACE PROPERTIES

Melteca Hi-Gloss Panels, when tested to AS/NZS 4266, comply with the following sections of AS/NZS 1859.3 for surface properties.

Resistance to Wear

Solid Colours

Typical results >700 cycles.

Patterns and Woodgrains

Typical results >150 cycles.



Resistance to Steam

No noticeable permeability effects.

FIRE PERFORMANCE

The Group Number Classifications are generated from tests carried out and data recorded in accordance with the test procedure described in ISO 5660 2002 – Reaction to Fire test – Part 1: Heat Release & Part 2: Smoke Production Rate, for the purposes of determination of the Group Classification in accordance with the New Zealand Building Code Verification Method C/VM2 Appendix A

While full testing has not been completed on Melteca High Gloss at this point in time, indicative testing of gloss surfaces has indicated that the Group Number Classification is most likely to be 3.

Please contact Laminex NZ to confirm if a full test report is available.

SHEET SIZES AND THICKNESSES

2400 x 1200mm
18mm (weight of sheet 45.3kg)

FINISH

Hi-Gloss

MOISTURE RESISTANCE

Melteca Hi-Gloss Panels comply with moisture resistant properties as specified in AS/NZS 1859.2.

HANDLING

Melteca Hi-Gloss Panels are supplied with a protective film on the top surface of the panel. This protective film should remain on all off-cuts to identify the panel top face and only be removed when required.

Note:

Although application of protective film is intended to provide some mechanical protection to the decorative surface, it is possible that contamination can be trapped between the film and decorative surface. It is therefore necessary to carefully inspect the surfaces prior to fabrication.

Common to gloss surfaces, noticeable change of gloss due to finger prints, contamination and surface damage is more obvious due to the reflectance of the surface. Therefore, it is recommended that the fabricator/installer takes the necessary precautions to protect all surfaces; the fabricator/installer also needs to communicate care and maintenance to the end user to avoid surface damage and to facilitate maintaining surface appearance.

CARE AND MAINTENANCE

Melteca decorated board products are hard wearing materials, but like all materials can

be damaged if used without some care and maintenance. The following information will assist in maintaining the surface of the Hi-Gloss Panel product with minimum time and effort.

Cleaning:

A wipe over with a clean soft damp cloth should be sufficient to keep the decorative surface clean. Soiled surfaces or light stains are removed with warm soapy water or with common detergent such as Mr Muscle Glass cleaner or a bathroom cleaner that doesn't contain abrasive, strongly acidic or alkaline ingredients.

If wipe marks are noticeable on the Hi-Gloss Panel, it is generally due to greasy residue being moved around as a result of the cleaning process. To remove; methylated spirits may be used or Mr Muscle glass cleaner. It is recommended to do a final wash down with soapy water and a dry clean cloth to remove any residue and restore the appearance. Alternative commercial cleaning products are available. Laminex New Zealand does not supply these products. It is important that these products are not applied to the raw substrate, it is only to be used on the melamine decorative surface. The customer needs to adhere to the relevant supplier MSDS for these products.

General:

- Wipe off all food and drink spills immediately
- Never use abrasive cleaners or powders, abrasive pads or steel wool
- To avoid scratching or marking the gloss surface make sure the cleaning cloth does not contain any hard or foreign particles

Melteca decorated board products should not remain in contact with hypochlorite bleach, caustic solutions, hydrogen peroxide solution in any concentrations, mineral acid, sodium bisulphate, potassium permanganate in any concentrations, berry juice, silver nitrate (1% concentration), gentian violet in any concentration, mild silver protein, laundry blue dye or iodine solution.