



Laminex™ Laminate

Metallic Laminate Technical Data Sheet

Laminex™ metallic laminates are high pressure laminates manufactured with genuine decorative metallic foils. The surface of these products is coated with a protective lacquer similar to a good quality timber lacquer.

Applications

Laminex™ metallic laminates are ideal for walls, doors, feature panelling, room dividers, exhibition stands and shopfitting (displays, stands, etc.), lift linings and many other areas where a metallic look is desired.

Metallic finishes are recommended for light duty interior applications only. They are not recommended for heavy usage areas such as worktops, bars, tables or kitchen splashbacks exposed to heat sources.

Product characteristics

Sizes 2400 x 1200mm 3050mm x 1220mm

Thickness 0.8 – 1.3mm

Weight 1.5kg/m² approx. (1mm)

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 and 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.

Laminex™ metallic laminates Group Number Classification 3

When specifying

Surface shall be Laminex™ metallic laminates as supplied by Laminex New Zealand®. Colour/Finish shall be

Care & maintenance

Avoid the use of solvents for cleaning purposes. Any spillage of liquids should be removed as soon as possible. Avoid the use of abrasive cleaners, even those in liquid form.

Laminex™ metallic laminates should only be cleaned with a soft, moist cloth or moist chamois leather and then dried with a soft, dry cloth. A mild cleaning agent such as glass cleaner can be used to remove smudges and smears.

Do not place hot objects on or near the surface nor expose the surface to hot water or steam. Laminex™ metallic laminates are not recommended for use in areas of high humidity as exposure to moisture for prolonged periods can cause corrosion of the metal surface and/or delamination.

Protect from strong, direct sunlight as continuous exposure may cause discolouration or fading to the surface over time.

The lacquered surface of Laminex™ metallic laminates have similar properties to a high quality wood lacquer, thus the surface could be damaged by hard objects and some solvents.

Site work notes

Laminex™ metallic laminates come protected with a plastic film that should be left attached while the laminate is being processed. The plastic film should not be exposed to direct sunlight as it may degrade, making removal more difficult and the film should be removed within 6 months of receiving the laminate.

Ensure that checks for colour, colour uniformity and surface defects are performed before the job is started.

Use laminate from one production batch for a job as small variations in appearance can occur batch to batch, due to the production process of the metallic foils.

Processing

When processing, ensure that the adjoining sheets are running in the same orientation otherwise variations in appearance may occur.

Laminex™ metallic laminates can be sawn, drilled and milled like standard high pressure laminates. It is advisable to use carbide-tipped cutting tools. When cutting, the decorative surface should always face upwards.

Laminex™ metallic laminates should be bonded to only high quality substrates using contact adhesives or cross linking PVA and balanced by a laminate of the same thickness to the rear of the panel to minimise bowing. PVA or PUR adhesives are recommended.

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Contact adhesives may cause telegraphing.

DO NOT BOND DIRECTLY TO PLASTER, PLASTERBOARD OR CONCRETE.

Care must be taken that the glue residues are completely removed from the surface before they harden. Condensation resin glues such as urea are not recommended as the acid released during hardening can adversely affect the metallic foil.

Bonding

When pressing the laminate to a substrate, a thin protective soft layer (eg. paper) should be placed on top of the metallic surface. Use the minimum amount of pressure necessary to ensure a good bond.

Maximum bonding temperature: 60°C

Maximum decor exposure temperature of installation not to exceed: 80°C

During cutting and machining a slight burring may occur on the new edge. This can be removed by careful use of a fine file.

Laminex™ metallic laminates are not postformable

Concluding statements

- Appropriate OH&S techniques and work practices are the responsibility of the fabricator.

- This information is intended as a guide and may not apply to all situations.
- The data in this TDS is believed to be accurate to the best of our knowledge, but users should carry out their own assessment of the product to satisfy themselves that it is suitable for their requirements.