

Laminex® Metallics

Laminex Metallics are high pressure laminates ideal for walls, doors, feature panelling, room dividers, exhibition stands, shop fittings and other areas where a unique or metallic look is desired.



OVERVIEW

The Metallics range are classified as vertical grade laminate, suitable for light duty applications.

Decór	Material Type
Aluminium Forte	Metallic
Brushed Brass	Metallic
Brushed Bronze	Metallic
Brushed Stainless Steel	Metallic
Brushed Titanium	Metallic
Copper Brush	Metallic
Korten	Metallic
Matte Rose Gold	Metallic
Mirror Smoke	Metallic
Plex Argent	Metallic
Plex Copper	Metallic
Plex Graphite	Metallic
Plex Cupro	Metallic
Satin Smoke	Metallic

PRODUCT CHARACTERISTICS

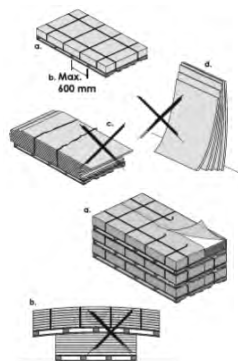
Sizes:	2400mm x 1200mm 3000mm x 1200mm see National Availability Guide for available sizes by decór
Thickness:	0.8mm to 1.3mm
Weight:	1.5kg/m ² approx. (1mm)

WHEN SPECIFYING

Surfacing shall be Laminex Metallics laminate as supplied by Laminex.
Colour/Finish shall be

STORAGE AND HANDLING

Laminates should be stored horizontally. If this is not possible, it is recommended to store the sheets propped up on their long edge against a wall but fully supported at an 80 degree angle. Condition for at least 48 hours in the same environment as the substrate. As for handling of all decorative laminates, it is recommended that gloves are worn when handling sheets to prevent small cuts or abrasions.



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

CARE & MAINTENANCE

Caution

Laminex Metallics are intended for interior use in vertical decorative applications. The lacquered surface of Laminex Metallics has similar properties to a high quality wood lacquer; thus the surface could be damaged by hard objects and some solvents. The metallic surfaces have low resistance to impacts and low resistance to abrasion.

Avoid the use of solvents for cleaning purposes. Any spillage of liquids should be removed as soon as possible. Do not use abrasive cleaners, even those in liquid form.

Laminex Metallics (excluding Korten) should 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.

Laminex Korten has a genuine iron oxide surface with the associated sandpaper-like texture. This can be abrasive to softer materials like cotton cleaning cloths. A stiff-bristled brush used with gentle pressure should remove minor marking.

Do not place hot objects on or near the surface nor expose the surface to hot water or steam. Laminex Metallics laminates are not recommended for use in areas of high humidity such as in bathrooms or laundries as exposure to moisture for prolonged periods can cause corrosion of the metallic surface and/or delamination. Protect from strong, direct sunlight as continuous exposure may cause discolouration or fading to the surface over time.

SITE WORK NOTES

Laminex Metallics (excluding Korten) 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

Excluding Korten

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

Laminex Metallics 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 Metallics can be bonded to Trade Essentials Particleboard or Craftwood MDF using Trade Essentials Contact Adhesives or cross linking PVA. PVA or PUR adhesives are recommended. Contact adhesives can cause telegraphing of the glue line.

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.

PROCESSING

Korten

When processing, particular attention must be paid to the sanding direction on the back of the sheet. This is to ensure that adjoining sheets are aligned with the same orientation since there is no plastic film with directional arrows.

When processing Korten, Tungsten Carbide Tipped circular saw blades should be used with a minimum of 60 teeth per blade with a tooth thickness of 1.8mm. The diameter of the blade should be 305mm. Saw blades with a negative hook are also recommended.

Care should be taken when cutting the laminate sheets as sparks and flying chippings can occur. Eye protection must be worn even when guards are in place! Dust extraction systems should only be used with spark arresters fitted.

Korten sheets cannot be trimmed like conventional laminates as the cutters burn out very quickly due to the iron content of the laminate. For sizing it is recommended that the laminate is bonded to a substrate and cut to size. The sawn edge can be smoothed with a metal file to remove any burrs; however, this will highlight the deposits of iron on the surface. This is a characteristic of the material and cannot be considered as a fault.

If hand routers are used then the surface of the laminate must be protected to prevent surface damage which can be caused by small particles becoming trapped under the router bed. A cover board is recommended as scuff marks from router beds cannot be removed.

The surface of the laminate can also damage the beds of the machinery due to the rough surface.

When cutting and trimming Korten, tooling will have a life span of approximately 1/3rd of that compared to cutting conventional laminates.

Laminex Korten can be bonded to Trade Essentials Particleboard or Craftwood MDF using Trade Essentials Contact Adhesives or cross linking PVA. PVA or PUR adhesives are recommended. Contact adhesives can cause telegraphing of the glue line, although Korten is more forgiving due to the rough nature of the surface.

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 GUIDELINES

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 specific pressure applied for bonding:

- Satin Smoke, Mirror Smoke : 0.1N/mm²
- Other Metallics: 0.3N/mm²

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

Warning: If pressing directly against the heat plate, the pressure designed for the entire area will only be effective at the raised points of the embossed surface and result in frame marks on the surface or flattening of the embossed structure.

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

Note: This technical data does not apply to Brushed Stainless Steel. Refer to the Laminex Stainless Steel Technical Data Sheet.