Laminex® CrystalGloss® surfaces

Laminex CrystalGloss surfaces are produced using the latest clear high gloss coating technology over decorated Laminex Lamiwood MR, ready for the tradesperson to fabricate or install. Laminex CrystalGloss surfaces are available in full sheets for fabricating using matching gloss ABS for edge finishing or as fabricated doors and panels. The colour range covers a contemporary selection from the Laminex Colour Palette. CrystalGloss surfaces are also available in a range of fully edged and coated stunning high gloss Metallic finishes.

APPLICATIONS

CrystalGloss surfaces have been fabricated for installation in kitchen and bathroom cabinetry applications, and also to bring fresh life to commercial interiors as cabinetry, joinery and feature panels. Being a high gloss finish, CrystalGloss surfaces are suitable for vertical applications only.

It is important to be aware that due to the MR MDF core, CrystalGloss products are only recommended for interior applications.

CrystalGloss Clear products are available in 2400mm x 1200mm sheets or as panels with matching gloss ABS edging. (Refer to the Laminex CrystalGloss surfaces order form). Double sided coating can also be offered.

CrystalGloss Metallic products are available as either 2400mm x 1200mm sheets. (Refer to the Laminex CrystalGloss surfaces order form). Double sided coating can also be offered.

SUBSTRATE PROPERTIES

(Typical physical properties when tested to AS/NZS 1859.2)

		THICKNESS RANGE
Property	**Unit**	**18mm**
Board Density	kg/m³	735
Internal Bond	KPa	900av.
Modulus of Rupture	MPa	43av.
Modulus of Elasticity	MPa	3600av.
*Screw Holding – Face	N	1000av
*Screw Holding – Edge	N	1600av
Surface Soundness	MPa	1.7
Thickness Swell 24hr	%	<4
Moisture Resistance MOR(A)	MPa	9.7

*Values reflect new testing methods for screw holding properties in AS/NZS 4266.13-2001 (Int).

DOOR AND PANEL INSTALLATION

As the substrate is a wood based panel, it will react to changes in moisture, as will natural timber; and hence humidity variations will influence the extent to which doors and panels will bow. The effect of door bowing can be minimised by the installation instructions.

Minimum specification for number of hinges per door depending on height

Door Height	Hinge Quantity
0-850mm	2
851mm-1350mm	3
1351mm-1800mm	4
1801-2400mm	5

Bowing can further be minimised by avoiding large door sizes and panels. For example, split pantry doors (rather than one tall door) and individual doors for bar panels are recommended.

Care should be taken not to install CrystalGloss surfaces products in areas of direct sunlight as some slight colour change may result.

WEIGHT

Thickness:	18mm
kg per m²:	13.0

FIRE TESTS

(Typically achieved when tested to AS/NZS 1530.3)

Indices	Clear	Metallic	Range
Ignitability	15	14	0-20
Spread of Flame	8	9	0-10
Heat Evolved	6	7	0-10
Smoke Developed	3	3	0-10

Cone Calorimeter AS/NZS 3837 (Irradiance of 50kW/m²)

Classification	Clear	Met.	Unit/Range
Group Number	3	3	1-3
Average Specific Extinction Area	31.6	28.9	m² / kg

THICKNESS

18mm.
16mm (for CrystalGloss Clear 2400 x 1200mm sheets only).

COLOUR RANGE

CrystalGloss Clear surfaces: are available in a range of contemporary colours from the Laminex Colour Palette that are richly enhanced by the clear High Gloss finish.

CrystalGloss Metallic surfaces: are available in an inspiring collection of rich lustrous metal effects.

Issued June 2012

To see the full range phone 132 136 or visit laminex.com.au for a copy of the Laminex CrystalGloss surfaces brochure

WHEN SPECIFYING

Materials shall be Laminex CrystalGloss surfaces of specified dimensions ……mm x …….mm, as supplied by The Laminex Group. The Colour shall be ……

SITE WORK NOTES

Storage

CrystalGloss surfaces products should be stacked flat, be completely supported and maintain protection of the Gloss coated surfaces.

Avoid storing in direct sunlight or humidity and temperature extremes.

If stored in direct sunlight for extended periods of time, the removal of the protective film may also become more difficult.

CrystalGloss surfaces panels are packaged and despatched with a self-adhesive polyethylene film on the coated surface to protect these gloss finishes from damage. It is recommended that this protective film is left on the product during transport, storage, fabrication and installation stages.

Handling

Keep work area clean to avoid marring and scratching of coated surfaces.

Avoid contact with abrasive surfaces or grit. Lift panels carefully, do not slide on coated surfaces. Do not use as a work surface.

Leave protective film on coated surfaces until installation is complete.

FABRICATION GUIDELINES

Cutting of Panels

For cutting of CrystalGloss surfaces panels, best results will be obtained using a point-to-point or CNC router. Similar results will be achieved using a milling machine on an edge bander.

If using a beam or bench saw to cut CrystalGloss surfaces panels then ensure that the blade is sharp and in good operating condition. If not, the quality of the cut may be affected, with the possibility of excessive chip out or delamination of the coated surface.

CARE AND MAINTENANCE

Laminex CrystalGloss surfaces are durable materials for vertical applications, but like all materials can be damaged if used without some care and maintenance.

The following information should help in assisting you maintain the surface of your CrystalGloss surfaces product with the minimum of time and effort.

Cleaning

Do wipe off all food and drink spills immediately.

Do use warm soapy water for general cleaning together with a soft fibre cloth.

Greasy marks can be removed with a soft fibre cloth dampened with mineral turpentine.

Do use a mild streak-free glass cleaner together with a soft fibre cloth to remove surface streaks in line with the manufacturers recommendations for these cleaning products.

Do Not dry wipe at any time. Spillages should be cleaned with a damp soft fibre cloth immediately.

Do Not ever use abrasive cleaners, pads or powders.

Do Not use harsh or aggressive cleaning agents such as Bleach, Acetone, Thinners or Methylated Spirits.

Polishing

High gloss finish can be maintained using Mirotone Sprayglow Furniture polish. Minor scratches or scuffing can be removed by hand using soft micro fibre cloths and non silicone liquid polishes such as 3M Finesse. Moderate scratches can be removed using 3000 grit wet and dry paper followed by buffing with 3M Perfect It Extra Cut and 3M Finesse final polish.

Warning: When cleaning, take care not to rub excessively. This may cause an area of uneven shine or mar on the area.

Follow these simple rules and your Laminex CrystalGloss surfaces products will look good and serve you well in your kitchen, bathroom or commercial environment.

.