

# Laminex Metaline® Splashbacks and Panels

Laminex Metaline Splashbacks and Panels is an advanced fire retardant aluminium composite panel. It features a high gloss paint system, combined with a proprietary surface coating that is easy to clean and is mark, stain and fire resistant.

The coated aluminium sheets are 0.5mm thick, sandwiched onto a 3mm FR core to give a total thickness of 4mm. A protective plastic film protects the decorated surface, during handling.

Laminex Metaline Splashbacks and Panels are CodeMark certified by SAI Global as meeting the requirements of the Building Code of Australia (BCA)

1. Volume One - C1.10 (Specification C1.10, Clause 4)
2. Volume Two - P2.3.1 SAP2.3.1 (a) (ii) & (iii) (when installed according to the Metaline Splashback – Fabrication Manual).

## APPLICATIONS

Laminex Metaline Splashbacks and Panels is suitable for kitchen splashback applications. It can be safely installed behind both gas and electric cook tops when installed according to the requirements as stated in the “Metaline - Fabrication Manual”. It has a flame resistant coating with a fire retardant core. It can also be used in many vertical applications, such as wall panels and wet area applications

## COLOURS

Laminex Metaline Splashbacks and Panels come in a number modern colours to meet your designer needs. Please check with the colour chart for colour selection.



## FINISH

Laminex Metaline Splashbacks and Panels come with a high gloss finish over a solid colour or metallic coating. This finish is resistant to stains, fine scratches and heat. It is specifically designed to be easy to clean. The minimum gloss of the decorated surface is 80 gloss units.

## SHEET SIZES

Laminex Metaline Splashbacks and Panels is available in two main panels sizes:

- 3600mm x 1500mm, and
- 3600mm x 800mm
- 3600mm x 1250mm only available in 'Reflections'

## WEIGHT OF PANELS

Laminex Metaline Splashbacks and Panels weigh 7.5kg/m<sup>2</sup>.

- 3600mm x 1500mm panel weighs 41kgs,
- 3600mm x 800mm panel weighs 22kgs.
- 3600mm x 1250mm panel weighs 34kgs.

Both sheets require a 2-man lift or mechanical assistance.



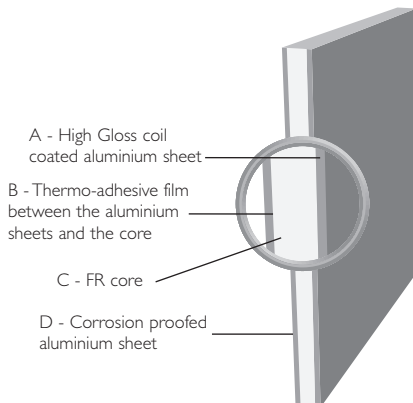
## PRODUCT SURFACE PROPERTIES

Laminex Metaline Splashbacks and Panels have been extensively tested by a NATA accredited technology centre. Its properties are as follows:

| Property  | Result  |
|---|---|
| Fire Indices - (AS/NZS 1530.3)                            | 0,0,0-4   |
| Fire Classification (AS ISO 9705)                         | Group 2   |
| Dry Heat Resistance (AS/NZS 2924.2)                       | 180 °C for 20 minutes<br>– no effect              |
| Steam Resistance (AS/NZS 2924.2)                          | 30 minutes – no effect                            |
| Chemical Resistance (AS/NZS 2924.2 - Grps 1-4)            | No effect   |
| Thermal Conductivity @ 200 °C – METALINE                  | 0.574 W/m-K                                       |
| Thermal Conductivity @ 200 °C – METALINE + mineral board* | 0.096 W/m-K                                       |
| Thermal Resistance @ 200 °C – METALINE                    | 0.007 m <sup>2</sup> /K/W                         |
| Thermal Resistance @ 200 °C – METALINE + mineral board*   | 0.102 m <sup>2</sup> /K/W                         |
| Scratch Resistance  | 0.8N  |
| Gloss (AS/NZS 1580.602)                                   | Min 80 gloss units at 60°                         |
| Coefficient of thermal expansion                          | 2.36 x 10 <sup>-5</sup> m/°C<br>(0.0236 mm/m/°C). |

\* when installed as per “Kitchen Splashbacks Installation” section in “Metaline Splashbacks - Fabrication Manual”

## PRODUCT STRUCTURE



## PRODUCT TOLERANCES

| Property                     | Result/ Tolerance |
|------------------------------|-------------------|
| Thickness tolerance          | +/- 0.1 mm        |
| Width tolerance              | -0/ + 3 mm        |
| Length tolerance             | -0/ + 4mm         |
| Difference between diagonals | Max 3 mm          |

## PRODUCT INSTALLATION

Laminex Metaline Splashbacks and Panels can be installed directly onto plasterboard or cement sheet using double sided tape and neutral cure silicone adhesive. It can be installed directly onto brickwork and cement blocks using double sided tape and construction adhesive or silicone.

Where the installation is behind a gas or electric hot plate, refer to the "Metaline - Fabrication Manual" for minimum clearance details and mineral board installation. (Installation directly onto brickwork or cement blocks does not require the installation of mineral board).

There are two methods of installing Laminex Metaline Splashbacks and Panels. The preferred method includes folded corners and rolled edges. An alternative method is butt joined corners and straight cut edges. Further details can be found in the "Metaline – Fabrication Manual".

## SUPPLY AND WARRANTY

Laminex Metaline Splashbacks and Panels are supplied only through authorised fabricators.

The product is covered by a 7 year limited warranty by The Laminex Group when fabricated and installed according to the Installation Manual.

## MAINTENANCE

Laminex Metaline Splashbacks and Panels are easy to clean using just a soft microfiber cloth and warm soapy water. Clean the surface regularly to avoid food residue buildup. Always clean the surface when it is cold – never hot.

Never use abrasive pads, scourers or chemicals to clean Laminex Metaline. Doing so will void the warranty.

## STAIN & SOLVENT RESISTANCE

| Stain Agent                        | Result                     |
|------------------------------------|----------------------------|
| BAM                                | No effect (10 mins)        |
| Plexus                             | No effect (10 mins)        |
| Spray & Wipe                       | No effect (10 mins)        |
| Armorall glass cleaner             | No effect (10 mins)        |
| Pineoclean                         | No effect (10 mins)        |
| Windex                             | No effect (10 mins)        |
| Windex Shower                      | No effect (10 mins)        |
| Acetone                            | No effect (50 double rubs) |
| Coffee (@ 60°C)                    | No effect (10 mins)        |
| Butter (@ 60°C)                    | No effect (10 mins)        |
| Tomato soup (@ 60°C)               | No effect (10 mins)        |
| Chicken soup (@ 60°C)              | No effect (10 mins)        |
| Mr Muscle caustic oven cleaner     | No effect (10 mins)        |
| Mr Muscle non-caustic oven cleaner | No effect (10 mins)        |
| 25% NaOH                           | No effect (10 mins)        |
| 30% Hydrogen Peroxide              | No effect (10 mins)        |
| 30% acetic acid                    | No effect (10 mins)        |
| 5% Bleach                          | No effect (10 mins)        |
| 3.6% HCl                           | No effect (10 mins)        |
| Iodine                             | No effect (10 mins)        |
| Shoe polish                        | No effect (10 mins)        |
| Hair dye                           | No effect (10 mins)        |
| Boric acid (ant rid)               | No effect (10 mins)        |
| 10% Citric acid (test B)           | 20 minutes                 |
| 5% Acetic acid (test B)            | 20 minutes                 |

| Solvent                                  | Result                     |
|--|----------------------------|
| Methylated spirits                       | No effect                  |
| Mineral turpentine                       | No effect                  |
| Kerosene                                 | No effect                  |
| Acetone                                  | No effect (50 double rubs) |
| Isopropyl alcohol                        | No effect                  |
| Ethyl acetate                            | No effect                  |
| Toluene/ MEK/ Xylene/ 1-2 dichloroethane | Damages surface            |