

## Technical Bulletin

### Homapal Magnetic Laminates and Homapal Magnetic HPL Panels

#### Application – Sliding and Hinged Door Installation

##### Background

The Homapal Magnetic Laminates and Homapal Magnetic HPL Panels are the market leading products for use as a magnet hold and writeable surface (high gloss only) product in the Australian Market.

Released more than 15 years ago this product, manufactured in Germany, has proven to provide the best quality and performance of any writeable (high Gloss only) high pressure laminate product on the market.

##### Technical Bulletin

In recent times we have reviewed the installation of these products in sliding & hinged door applications and have made the following decisions.

We have identified that the sliding doors are only supported at the top and bottom of the installation and as a result there is no support for the panels between these 2 points.

For Hinged doors there is only support on one edge leaving the balance of the panel unsupported.

It is important to note that the Homapal Magnetic Laminate has a thin sheet of metal, to allow magnets to hold to the surface, below the decorative surface. This unique and market leading product construction means that the magnetic laminate and HPL Panel will have a higher level of differential movement. This movement needs to be supported and managed.

As a result of the above, HVG has made the decision that we will no longer support the use of these products in Sliding or Hinged Doors applications unless HVG is consulted in writing, at the design & application concept stage & prior to any fabrication or installation. Please note that HVG reserves the right to reject any design at any time.

Our recommendations may include, and will be confirmed, for each design/application

- Min substrate thickness 18mm MR MDF E0
  - Recommended thickness is 25mm MR MDF E0
- Must be G2S only, no exceptions
- Panels must be allowed to acclimatise on site before installation. Panels must reach equilibrium before final installation
- Must be laminated by one of the following adhesive systems
  - PVA
  - EVA
  - PVAC
  - PUR
  - No contact adhesives
- Top hung sliding door systems only
  - Sliding door hardware systems must be able to accommodate the weight of the panels
  - We are not the supplier of the hardware systems so we cant provide recommendations on hardware systems.
- Panel height and width recommended to be no more than 1200x1200mm

## **Application – Homapal Magnetic Panels Fitted to Fixed Walls**

Further to the above recommendations, HVG advises that all Homapal Magnetic installations as a panel, other than sliding and hinged doors, attached to a vertical surface will be fabricated and installed as follows.

- Min Substrate Thickness – 16mm
- Preferred Substrate MR MDF E0
- Panel must be balanced in construction using a high-pressure laminate (liner) with a minimum thickness of 1.0mm
- Any Magnetic Panels not supplied by HVG, to be laminated in a water based adhesive system, PVA, EVA, PVAC or PUR. The use of Neoprene based Contacts is not supported
- The panel is to be fixed to the wall using a timber spilt batten or 'J' section aluminium system
  - Max spacing between the split batten or 'J' Section is to be 450mm
- Allowance in the installation to allow for expansion and or contraction, to manage the differential movement of the laminate, as detailed above
- Mechanically fixing of panels to a wall using double sided tape, adhesive, screws (mechanical fixing) or the like is not supported and or recommended
- Homapal Magnetic Laminates are not to be directly adhered to any wall surface. They must always be fabricated into a panel as detailed above.

**For further detailed support and advise please contact your HVG Account Manager as well as our HPL Panel 10 year warranty.**