



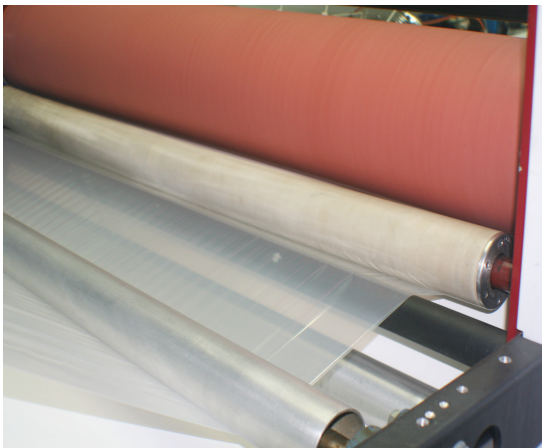
# Thermo Fusion Technology



ModernForm Doors have been using the Thermo Fusion Technology for many years with successful results. Thermo Fusion Technology is an application of an adhesive that is an impervious membrane to the back of the PVC vinyl not on the MDF board. This process eliminates the increase of moisture within the MDF board which can cause fibre swelling. By eliminating fibre swelling, we can achieve a smoother finish with gloss (less orange peel).

ModernForm Doors have been using the Thermo Fusion System in Australia since 2002. The system is fully approved and we don't have any records of delaminated door and panel. The adhesive system is applied to the PVC vinyl in house with full control of the application. The product was designed specifically for the membrane pressing industry by a high tech adhesive company in the USA.

Their mission was to develop an adhesive system that would assist and save the industry time and address health issues associated with the current spray systems that are used today.



## Good reasons for using Thermo Fusion Technology

- A two step operation route and press
- No grain swell. Resulting in a smoother finish
- No down time required while waiting for panels to be sprayed
- No areas required for storage mixing and spraying of adhesive
- No records of delamination

Extensive research has shown that the full delamination issues that are suffered with the industry in Australia and overseas are not heat related. Most if not all research is showing that the movement of moisture within the glue line is the principle cause of delamination.

The Polyisocyanates that are contained within the Thermo Fusion system are in a solid state and are held within the membrane that is applied to the back of the PVC Therefore eliminating the risk of contamination.

I believe that the Thermo Fusion Technology system delivers the peace of mind that is sort by the industry in general and that this system will save time and money.



## For more information

Please contact ModernForm Doors or visit our showroom

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