



PELLUCID
SLIDING DOORS & WINDOWS



Introducing Pellucid
BIG SLIDING DOORS
AND WINDOWS

Pellucid

The Minimal Frame

DESIGN INFORMATION

Frame concept

We have been able to reduce the frame size dramatically by using the glass to help support itself. This is done by fixing a specially designed profile around the glass and adding mullion and handle profiles for finishing.

Minimal main frame

The self-supporting concept for Pellucid fixed and sliding glass means frames are kept to a minimal height this allows for the frame to be either fully exposed at a height of 44mm, semi exposed at 32mm or fully concealed in the floor, walls & ceiling.

Minimal glazing elements - Horizontal Plane

As the aluminium and glass have now become 1 need for adding bulky framing elements on the top and bottom of any fixed or moving glass has been eliminated. This has now reduced any visible frame beyond the already hidden main frame to only 15mm at the base and 5mm at the top.

Minimal glazing elements - Vertical Plane

The same self-supporting principles apply for reducing the width of vertical glazing frames, we have been able to reduce this to only 20mm between any adjoining fixed or sliding panels regardless of the height, double or triple glazing options.

Rolling & movement

Another unique design feature of Pellucid sliding doors and windows is having the floor mounted tracks supporting the weight of the door as opposed to other systems that hang, This allows architects more freedom of design regarding glass size, thickness and loads, this is achieved using a series of precision stainless steel roller bearings positioned in the floor mounted track.

Thermal properties

As energy efficiency is paramount in the world today, we have taken this to a higher level than most other systems. All of our frames have a 100% thermal break from inside to out. So whether your escaping the heat, cold or noise, using a thermally insulated frame with insulated glass takes energy efficiency to the next level & reduces your energy bills.

Glass

We can offer a wide range of glazing solutions from a simple clear double glazed IGU (Insulated Glazing Unit) to some more interesting options like -

Glass coloured tints, patterned or digital printed laminates

Switchable privacy glass that changes from opaque to clear

Low-E, Solar-E coatings & insulating gases for added thermal insulation and even Fire resistant glass.

Technical Support

Pellucid technical staff will work one on one with architects directly on all aspects of our products, their capabilities and applications, we are available from design stage to final installation for support service and will provide shop drawings, including installation and finishing details.

Pellucid products will be installed by our trained and skilled network of partners.

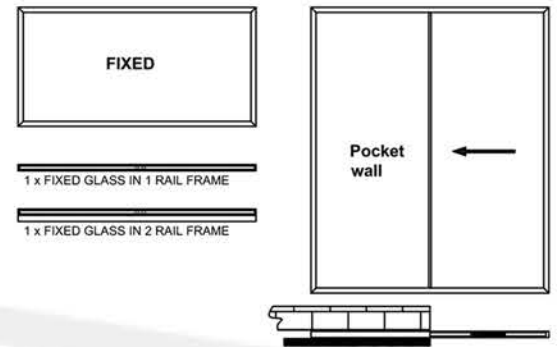


SYSTEM FEATURES AND COMBINATIONS

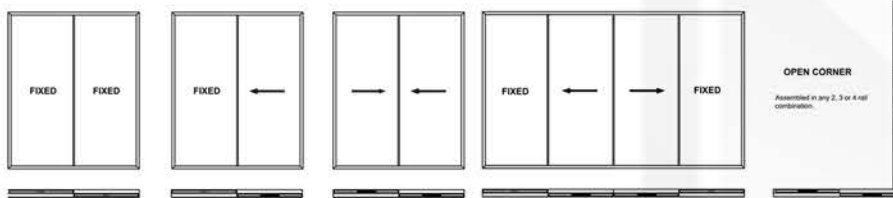
Idea, Concept, Design.

The Idea was to break boundaries in traditional window design. The original concept of the frame supporting the glass has been the around since the early days & not much has changed until now. We have now broken the DNA of window design and developed a hybrid design where the frame and the glass work as one. This now opens up a world of new advantages for architectural design including a slim & modern look with full length straight lines and various degrees of insulating options incorporating double and triple glazing

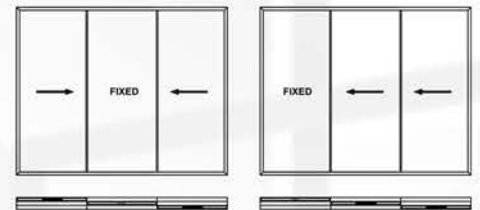
1 RAIL FRAMES



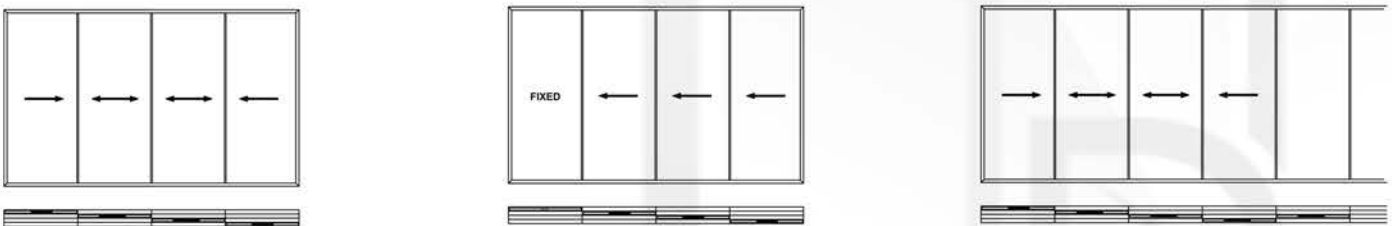
2 RAIL FRAMES



3 RAIL FRAMES



4 RAIL FRAMES



What makes this modern slim line system different to most is its design concept of creating Self-Supportive Glass, this in turn opens up many new exciting advantages for architectural design.

- Fixed or sliding panels certified up to 3mt high with a limitless length.
- Modern streamline look that is appealing to the eye & admired by architects
- Main surrounding frame can be partially or fully hidden in the floor, walls & ceiling
- Mullion only 20mm wide, 15mm of visible moving frame at base & 5mm at top = up to 98% glass & view and only 2% frame.
- All the energy & noise reducing benefits of double or triple glazed glass with thermally broken aluminium frame
- High security 12mm locking bolt fully concealed in handle
- Design based on quality, effectiveness & built to last for your property's lifetime
- Standard 25microns of clear anodizing with powder coating colour options available
- 1 to 4 rail sliding track made to order
- Designed for heavy loads including bullet proof glazing options



Double and Triple Glazed Energy Efficient Solutions

Pellucid is an Australian designed, thermally insulated, sliding window and door system that allows maximum passage of light through minimal frame. Bring the outdoors in with floor to ceiling glass up to 3m high, unlimited length with just a 20mm visible frame. In fact our design allows such large sections of glass to open up that we refer to our products as glass sliding walls.

At Pellucid our philosophy is to make a small range of high quality products that are affordable and save money through lower energy costs. Products that look and feel great in architecturally designed masterpieces through to smaller suburban homes, if you want to see more of nature and less window frame, want to cut energy bills or shut out road noise, you need to check out the Pellucid range of products.

Pellucid glazing systems have been designed by Australians for harsh Australian conditions. Our products are tested and certified in Australia to AS2047 and offer security, energy efficiency, affordability and maximum possible views making Pellucid a first class choice.



FIND US AT

www.pellucidint.com