

GLASS & GLAZING INFORMATION

The following information is intended to provide you with an explanation of some of the terminology that Airlite Windows & Doors use when referring to glass and glazing. You should ensure that you understand this information before accepting your quote. If you have any questions or require further clarification after reading the information, please do not hesitate to call your Airlite sales representative.

Q. What is “Site Glazing”?

- It is fitting the glass on site after the door or window frame has been installed.
- Is required because the door or window will be too heavy to deliver and/or manoeuvre with the glass already fitted.
- We require approximately five (5) working days notice to organise site glazing.

Q. What is “Toughened Glass”?

- It is a safety glass.
- It is 4-5 times stronger than ordinary float glass.
- It can still be broken, however if it does happen the glass shatters into small fragments.
- An inherent and accepted part of the toughening process is it can sometimes cause a “wavy” appearance in thinner glass (3mm-5mm). The chances of this are reduced by using a thicker glass.
- The use of toughened safety glass is governed by Australian Standard AS1288.
- It may also be required in buildings assessed as being in a “Bushfire Prone Application” by the Building Code of Australia, the local Bushfire Authority or the local Council.

Q. What is “Laminated Glass”?

- It is a safety glass.
- It is made by adhering two panels of float glass with a flexible polyvinyl butyral (PVB) interlayer.
- A standard PVB interlayer is clear in colour and 0.38mm thick.
- It is 3-4 times stronger than ordinary float glass.
- The interlayer prevents the glass from disintegrating when broken.
- It cuts out 99% of the sun’s UV rays.

Q. What is “ComfortPlus and Sunergy Glass”?

- ComfortPlus and Sunergy are brand names of a high performance laminated glass that incorporate a low-e coating.
- Low emissivity (low-e) coatings minimise the transfer of heat – in summer they stop external heat coming into the house; and in the winter they stop internal heat escaping from the house.
- It is available in a range of tones – clear, green, bronze, grey, and neutral (has a bluish haze)
- Ensure that you see a physical sample before accepting your quote.
- The low-e coating requires careful cleaning and should be protected prior, during and after installation.

Q. What is “Double Glazing - also known as IGU’s”?

- Insulated glass units (IGU) are made from two pieces of glass with a sealed air space between them.
- The glass can be a combination of different glass type – clear or tinted, annealed or toughened, low-e.
- The thickness of the air space can vary depending on desired performance and window frame limitations.
- An IGU increases the thermal resistance of the window to reduce heat loss in winter and heat gain in summer.
- An IGU is not effective in reducing noise unless the air space is increased to a minimum of 80mm.