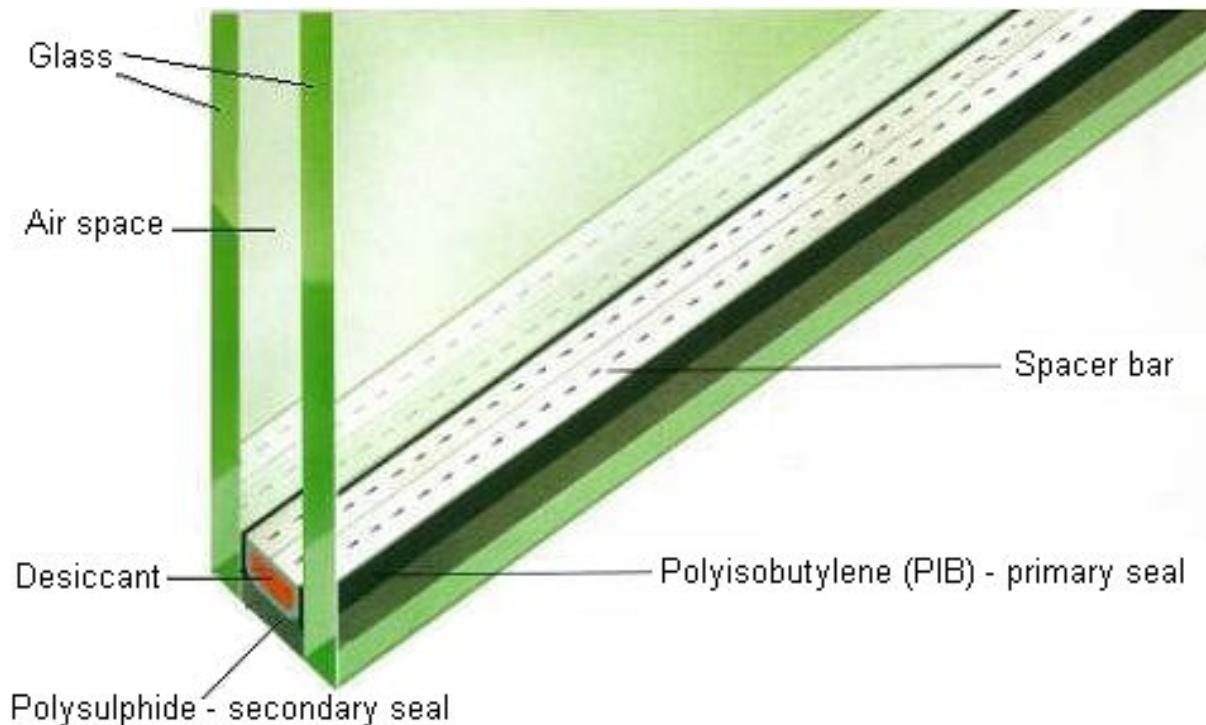


FACTS ABOUT GLASS

All our products are designed to be glazed with sealed glass unit. The standard sealed unit is constructed from 2 X 4mm pieces of glass that are spaced apart using an insulated aluminium spacer (spacer bars are available in various colours) that is then hermetically sealed thus forming a complete double glazed sealed unit.



Units can be constructed using different types and combinations, please see below for some examples of glass types:

Annealed glass - a term used to describe glass that is used for general glazing.

- Annealed glass is the basic glass (i.e. – float, patterned) from which the other glasses referred to in the section are processed. If annealed glass is broken and pieces are displaced, the resulting glass edges will be very sharp.

Safety glass – a term used for glass that has an improved resistance to impact / breakage and is a legal requirement for situations such as doors and low-level applications.

- Toughened glass is produced by subjecting annealed glass to a process of heating and rapid cooling which can increase its strength to four or five times that of annealed glass. If toughened glass is broken, it will disintegrate into small particles that are unlikely to cause cutting or piercing injuries, which could occur with fractured annealed glass.
- Laminated glass is produced by combining two or more panes of glass with layers of polyvinylbutyral (PVB), or with resin interlayers (laminated glass panes are a minimum of 6.4mm thickness). The performance varies with the number and types of glass and interlayers to achieve safety, security, bullet, blast and fire resistance. Laminated glass when broken will fracture into pieces of glass held together by the interlayers and the danger of injuries are minimised.

Low Emissivity (Low 'E') glass – is a term for a glass that has heat saving qualities and is used in the industry to comply with current building regulations.

- Low 'E' glass is a clear glass, it has a microscopically thin coating of metal oxide. It allows the sun's heat and light to pass through the glass into the building, at the same time blocking heat from leaving the room, reducing heat loss considerably.
- Since the change in building regulations in April 2002, it has been a legal requirement for windows and doors to achieve a minimal heat loss (measured by a 'U' values). We achieve this by using Low 'E' glass in the construction of sealed units glazed into our windows and doors.
- Companies such as Pilkington glass and Saint - Gobain glass have their own brands 'K' glass and Planitherm, both of which are very good quality Low 'E' glasses.

Textured / Decorative Glass – A single pane glass used to provide privacy, style and decoration for any situation.

- Pilkington Texture Glass Range