

Ambience

Insulating glass

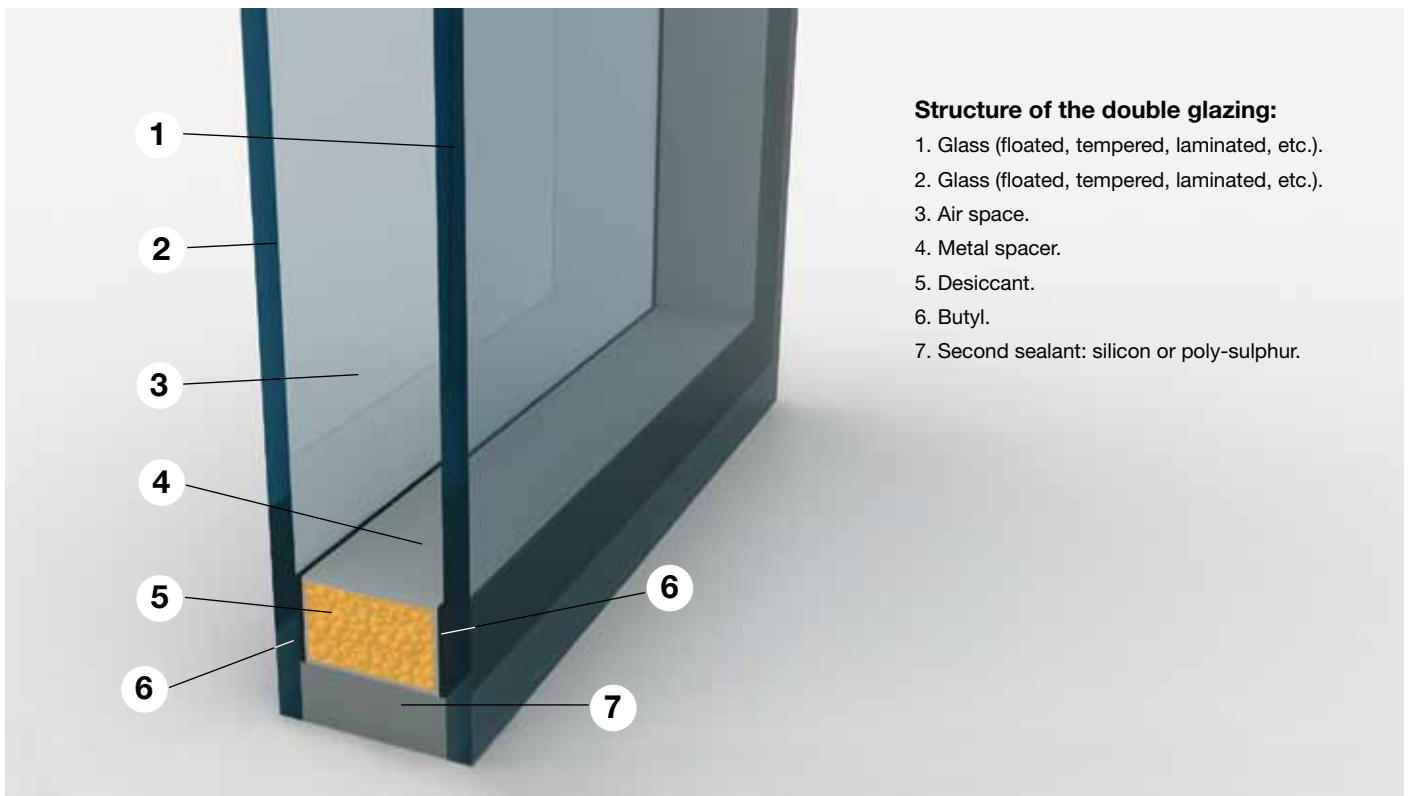
Characteristics

The main characteristic of Ambience insulating glass is its good thermal insulation that is achieved due to its low thermal transmission coefficient (U value), reducing heat losses as opposed to simple glazing.

Ambience insulating glass makes it difficult for temperature exchanges between the two environments it separates, insulating from the cold in winter and the heat in summer. This reduction in heat flow that Ambience provides as opposed to simple glazing is due to the high thermal resistance of the still air trapped in the chamber.

The use of other gases like argon or krypton combined with the low emissivity coating further increases this resistance which improves the insulation provided.

Another important characteristic is that the interior surface of the glazing remains at a temperature close to room temperature, increasing the sensation of comfort by the window and reducing the risk of condensation in winter.



Instructions for use of Ambience.

The air tight sealants and joints used to install the glass should be compatible with the butyls, silicon and butyrals used by Ariño Duglass to manufacture their glass. Sealing with linseed oil putty, certain acrylic putties, incompatible silicon and other products that are incompatible with the materials that Ariño Duglass use in their production is absolutely forbidden.

The sealing and integrity of the insulating glass is achieved by using two air tight barriers. These barriers are based on sealants specifically developed for this purpose: butyl for the first barrier and silicon, poly-sulphur or polyurethane for the second. It is vital that any other sealer, chock, joint or plastic material in direct or indirect contact with the sealer of the double glazing must be compatible with this. Sealers or polymers that give off products with an aggressive reaction (acetic acid, amines, solvents, oils, etc.) must not be used.

Glass produced by Ariño Duglass does not include any system to install the glass in windows or facades. The system used by the customer or end user to fit the glass in windows or facades will be determined by the customer or end user. Therefore Ariño Duglass is in no way responsible for the installation and fitting of the glass and the materials used for this purpose.

For any information, the Technical department at Ariño Duglass is at your service.

Ambience - Ariplak Solar & Ariplak Low E-SP

Ambience insulating glass combined with the Ariplak Solar solar control glass or Ariplak Low E-SP high performance glass combines the advantages of both types of glass. On the one hand, the low solar factor reduces the quantity of harmful solar energy on the inside of the building (energy that contributes to a greater demand for air conditioning during hot weather). In addition the low thermal transmission (U-value) improves the energy balance of the building contributing to a saving of energy and a reduction in the emission of CO₂ into the atmosphere.

