



ipatherm

**Heatable glass -
our warmest recommendation**

Enjoying winter landscapes outdoors - without relinquishing one's cosy home comforts indoors

In rooms with large areas of glazing ipatherm heatable glass from Interpane ensures a warm, snug atmosphere all year round. This innovative, invisible, and space-saving heating solution for roof structures, office buildings, conservatories, etc. offers - even on very cold days - a steady radiant warmth. ipatherm heatable glass can be installed at a very reasonable cost, either vertically or horizontally overhead; it is easy to regulate, and comes in numerous variants with different functions and frame materials.

Healthy advantages

ipatherm heatable glass is made from high-quality laminated safety glass. Its radiant warmth ensures that the air inside remains calm, free of dust and other allergenic substances, with a pleasant oxygen and moisture content - a healthy indoor climate.

A wide variety of applications

ipatherm heatable glass reduces - or even altogether avoids - condensation, icing-up, and excessive snow loads, e.g. in buildings without conventional heating, in vehicle construction and ship building, in both old and new buildings, offices, hotels, canteen kitchens, and hospitals, glass-built extensions, conservatories, winter gardens, etc.

Quick and easy to install

ipatherm heatable glass is completely unobtrusive and inconspicuous; it can also be retrofitted - just like conventional insulating glass. The only prerequisite is that there must be a power source available. ipatherm heatable glass can be easily combined with many different types of glazing and with a wide variety of frame materials and power regulation systems.

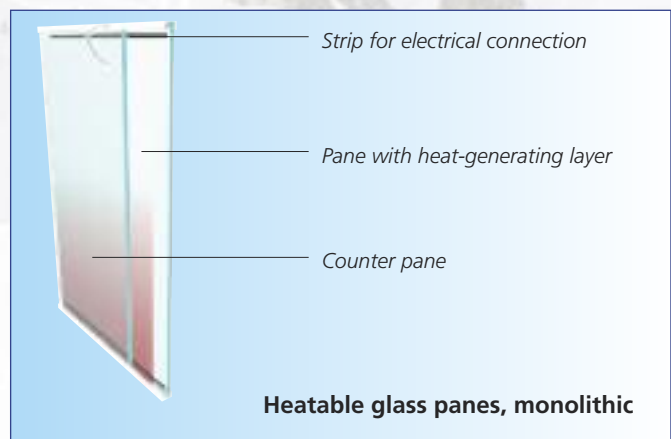
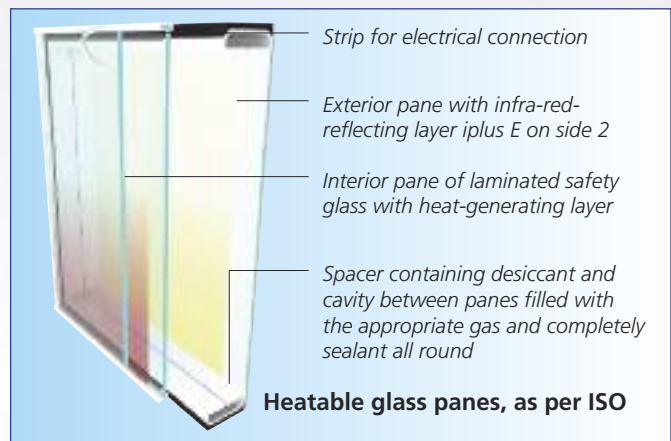
Strength and reliability

ipatherm heatable glass, regulated by means of standard commercially available thermostats, has high resistance to temperature fluctuation and heat stress and has good compression and flexural strength. It provides quick-acting heating and is suitable for continuous temperatures of up to around 60 °C. The electrical power output is between 20 and 800 W/m² and in certain circumstances even higher.

Technical values

Voltage (maximum)	230 V
Output (maximum)	2300 W
Current (maximum)	10A
Temperature (maximum)	60°C
Dimensions (maximum)	2000 mm x 3000 mm
Dimensions (minimum)	200 mm x 300 mm

Interpane Glas Industrie AG has its headquarters and its research and development center in Lauenförde / Weserbergland (Germany); it is one of the most important glass refiners in Europe. In its eleven factories, all over Europe, Interpane manufactures high-grade glazing products; in Seingbouse in France it produces float glass. Interpane's product spectrum comprises high-quality laminated thermal insulation glass, glass providing acoustic insulation and protection from the sun's radiation, various types of safety glass, plus glazing products for structural design purposes.



Flexible processing

On the outside ipatherm heatable glass can be combined with either float glass, tempered safety glass, or laminated safety glass; this achieves excellent U_g insulation values. "Warm-edge system" spacers made from plastic help significantly reduce potential thermal loss. The inter-pane cavity is filled with argon (Ar) or krypton (Kr).

Economical

ipatherm heatable glass heats interior rooms cleanly, efficiently, and economically; it makes no emissions, is not subject to wear and tear, and needs virtually no maintenance. The system can be controlled individually per room - without loss. Power consumption can be measured and billed separately per room; many electricity providers offer attractive tariffs for electric heating systems.



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