



A Quanex Building Products Company

The Pioneers
in Warm Edge
Technology



Super Spacer®



The triad for more energy efficiency

Glass + Frame + Super Spacer®

Energy saving windows are only perfect once they have a warm edge

Thermal bridges on a building transmit more heat into the environment than neighbouring components. In winter it is much colder at these points. There is the constant risk of condensation as the moisture from the room air condenses. However, permanent condensation damages the building and can, in the long run, leads to mould forming that is hazardous to health. Old windows or windows that insulate poorly are also such thermal bridges, especially at the transitions between the glass and the frame.

An indispensable component of modern insulating glass windows comes to the rescue: the Super Spacer® warm edge between the panes of an insulating glass window



This is how Super Spacer® saves energy

An insulating glass with conventional, metal spacers loses almost twice as much heat as an Hightech insulating glass with a warm edge due to its high thermal conductivity. A Super Spacer® warm edge spacer guarantees perfect thermal insulation in the edge area. It prevents thermal bridges at these points, saves energy and simultaneously ensures a comfortable room climate as no more unpleasant radiative cooling can occur.



No condensation
and mould formation
for perfect hygiene



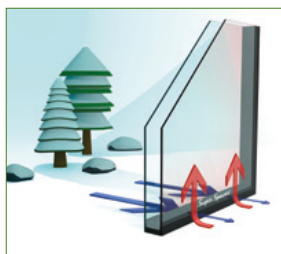
No-one knows how the energy costs will develop in the future. Only the direction is obvious: and the only way is up. That is why heat insulation is an absolute must for men and women who are building houses. A small, discreet, but extremely smart component is the energy-efficient icing on the cake when choosing new, thermally insulated windows: the Super Spacer® warm edge spacer.

Simply keep the heat in the house!

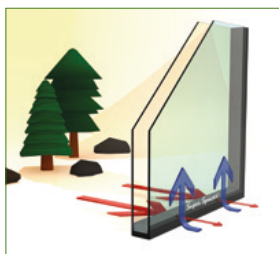
Opt in favour of insulating glass units with a Super Spacer® warm edge now and permanently reduce your heating bills!

Super Spacer® warm edge systems are certified passive house components

A passive house window loses less than 7 litres of heating oil per square metre of window surface per year. By comparison approx. 60 litres of heating oil are lost per year if you would use single glazing. Incidentally: Super Spacer® have been awarded the passive house certificates pH+ or pH A for an Arctic climate.



In the winter Super Spacer® ensures even temperature distribution at the window pane and keeps the heat in the building.



In the summer Super Spacer® minimises the heat exchange at the edges of the window panes and keeps the cool air indoors.

Towards a secure future in an economical and environmentally-aware manner

- Save heating costs and help to reduce CO₂ emissions.
- An investment in energy-efficient windows increases the value of your property.
- The use of state-of-the-art window technology for the glass, frame and spacers provides us with a secure future.





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