

PRESS RELEASE

Insulating glazing with glass spacers:

Isotherm delivers seamless transparency

Munich, January 2025. *Isotherm, a member of the SANCO Group, is introducing a premium product innovation at BAU 2025: insulating glass units with a seamless aesthetic thanks to transparent spacers.*

Instead of the usual wide black or grey spacers, grooved glass spacers are used on the visible sides of the insulating glass, subtly setting back the glass edge joints and creating a clear, harmonious aesthetic. An integrated TGI M spacer on the non-visible sides creates a corner joint that functions as both a primary and a secondary seal. This ensures excellent gas tightness and moisture resistance for the insulating glazing. Independent tests have impressively confirmed that even after 70,000 opening and closing cycles, the argon gas filling remains stable with virtually unchanged values. This result underscores the durability and reliability of the system, even with intensive use.

Functional, aesthetic, and environmental benefits

The polished glass edges created by using glass spacers not only offer a high-quality appearance but also deliver functional advantages. They minimise susceptibility to dirt and prevent dull spots that often occur with conventional spacers. A precise application of adhesive – with only a minimal amount required – ensures an even bond. Using a powerful UV lamp, the adhesive cures within just ten seconds, significantly reducing production time and energy consumption.

Another technical advantage is the 'warm edge' effect provided by the TGI spacer. This design minimises heat loss along the glass, contributing significantly to the energy efficiency of the glazing. This makes the insulating solution particularly suitable for demanding cooling environments, where energy savings and thermal efficiency are essential requirements.

In addition to the functional and aesthetic benefits, the insulating glazing with glass spacers also scores points for sustainability. The product is fully recyclable, making it part of an eco-friendly production and usage cycle. With this innovation, Isotherm demonstrates how cutting-edge technology can be combined with eco-friendly manufacturing methods and a commitment to elegant design.

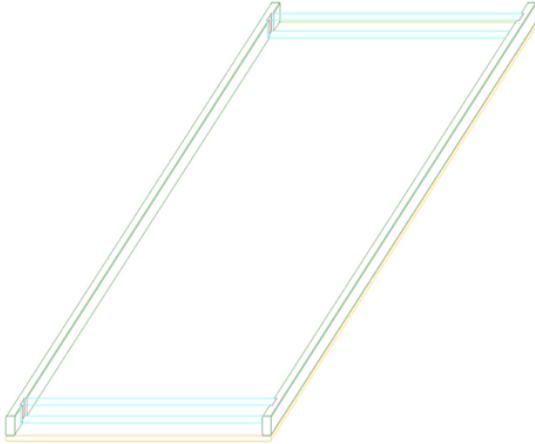
About Isotherm

Isotherm is one of Central Europe's most advanced glass manufacturers, specialising in insulating and safety glass. With facilities in the Czech Republic and an international network, Isotherm supplies the window industry and refrigeration equipment manufacturers throughout Europe. As a member of the SANCO Group – a Europe-wide alliance of leading insulating glass manufacturers – Isotherm benefits from shared quality standards, innovative research, and sustainable production practices.

Photos:



Isotherm insulating glass solutions with glass spacers combine maximum stability, transparency, and thermal efficiency. Photo: © Isotherm



The combination of glass spacers and the integrated TGI M spacer ensures excellent insulation properties.

Photo: © Isotherm

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