

SWISSPACER

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ULTIMATE SWISSPACER

FOR WINDOWS WITH THE BEST PARAMETERS

THE WARMEST!

Choose the best windows only with a cross sign on the frame

Warm spacer (frame) as standard
By purchasing windows with standard equipment in the form of a warm spacer, you will receive the Ultimate spacer, the warmest product from SWISSPACER, a leader in the industry. At no extra charge, you get an insulator instead of a thermal conductor.

The warm spacer eliminates the thermal bridge that can be created when using frames made of traditional materials*. This is all the more important the warmer the entire structure is. The better the windows we put on, the more energy losses would be caused by the lack of a warm spacer.



* **Thermal conductivity coefficient of frames made of various materials:**

0,14 W/mK SWISSPACER Ultimate
0,82 W/mK – stainless steel
~40,00 W/mK – steel
~160,00 W/mK – aluminium

HEAT BRIDGE ELIMINATION

– this is why the warm spacer gives so many benefits

A study by the Independent Passive House Institute in Darmstadt has shown that SWISSPACER Ultimate frames have a significant impact on energy consumption and therefore CO_2 emissions and costs related to heating buildings.

SWISSPACER Ultimate frames, as proved by the Institute, allowed to reduce energy demand by 5.6% for single-chamber glazing units and by 8.6% for double-chamber units. As much as 22% less energy is needed as a result of using the frame in a passive building with double-chamber glazing.

Sealed chambers	Less condensation on the glass	Aesthetic finish

SWISSPACER Ultimate is an effective barrier against the escape of noble gases from the space between the panes, which reduces heat losses. No thermal bridges means less condensation at the edges of the glass. The aesthetic matte finish does not affect the clean lines of the glazing, it does not reflect on the windows.



Warm Spacer Ultimate

– investment in saving

- lower heat losses,
- no thermal bridges,
- limited steam condensation,
- parameters confirmed by tests,
- precise right angles in the corners,
- parallel frames without shifts,
- for 2-, 3- and 4-pane glazing packages,
- the most popular colours,
- matte structure without reflections.

AIR SWISSPACER

SMALL ELEMENT – **BIG EFFECT**

SAFER!

Order windows with SWISSPACER Air and forget about the influence of pressure on the glass.

effective protection | water vapour barrier



Differences in relative height during transport and differences in height between the place of manufacture and the place of installation of the insulating glass unit cause the risk of damage to the glass. Large temperature amplitudes and fluctuations in atmospheric pressure during the use of the product can also be dangerous. The use of invisible Air sleeves reduces the risk to a minimum.

The risk of glass breakage and deformation of the insulating glass unit is eliminated. Thanks to SWISSPACER Air, thinner glass can be used, which reduces the weight of the insulating glass units and thus improves the service life of the fittings and makes them easier to handle.

The construction of sleeves responsible for gas exchange guarantees effective reduction of water vapour penetration inside the glazing unit.



Swiss precision and reliability

When the atmospheric pressure around the window or the air temperature changes, the gas pressure inside the insulating glass unit changes. This can lead to deformation and even breakage of the glass.

SWISSPACER Air is a special, invisible integrated sleeve with a membrane that does not interfere with the aesthetics of the window. Allows pressure equalization, thanks to which the glass is safe during transport and use.

SWISSPACER Air

– invest in safety and silence

- glass protection against breakage
- protection against deformation
- reduction of perceived noise up to 20%*

* Larger space between the panes enables better sound attenuation.



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The publication does not constitute a commercial offer. It is not the basis for making a complaint. The presented photos are illustrative photos, not actual photos of the products.