

SALAMANDER

WINDOW & DOOR SYSTEMS

evoCore+

High-tech tuning
for your windows

Innovative idea with a huge impact

**evoCore⁺ stands for improved performance
and greater sustainability.**

Salamander Window & Door Systems is making use of a sustainable high-tech material from the aircraft and wind turbine construction sector for its windows.

The heavy frame steel has been replaced with an extremely insulating and stable high-tech PET foam core.

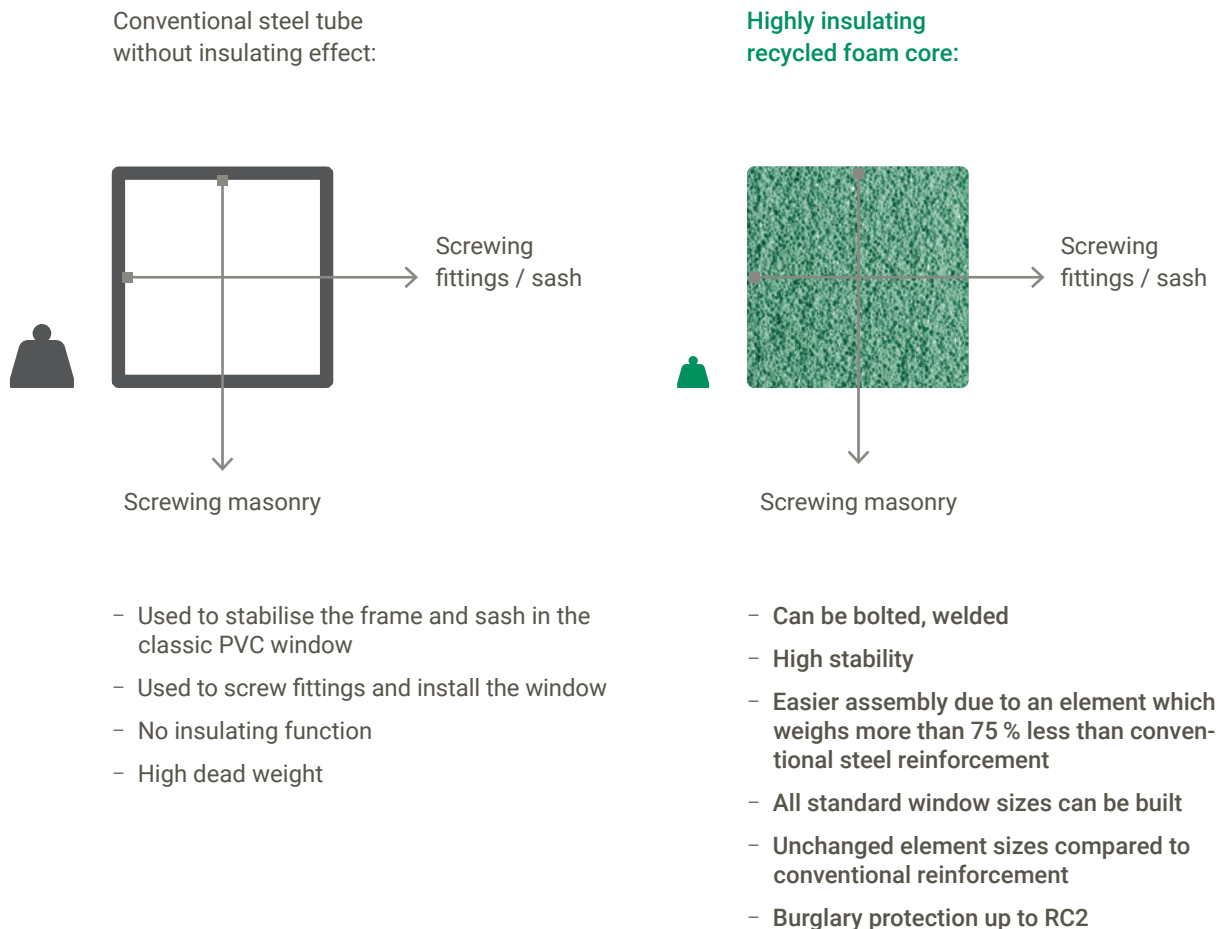
This unique foam core offers better U_f values, significant weight savings, higher performance corner connections together with improved sustainability. Compared to energy recovery in a waste incineration plant, the intelligent upgrading of polymer material saves 1.26 tons of CO₂ per ton of recycled plastic.



Recycling, insulation, stability

A component suitable for passive houses as a supplement to our modular system is unique on the market. evoCore+ achieves significantly better energy efficiency values using the same manufac-

turing processes. At the same time, you help to ensure the resource-saving use of materials.



Highly effective insulation for energy efficient passive houses

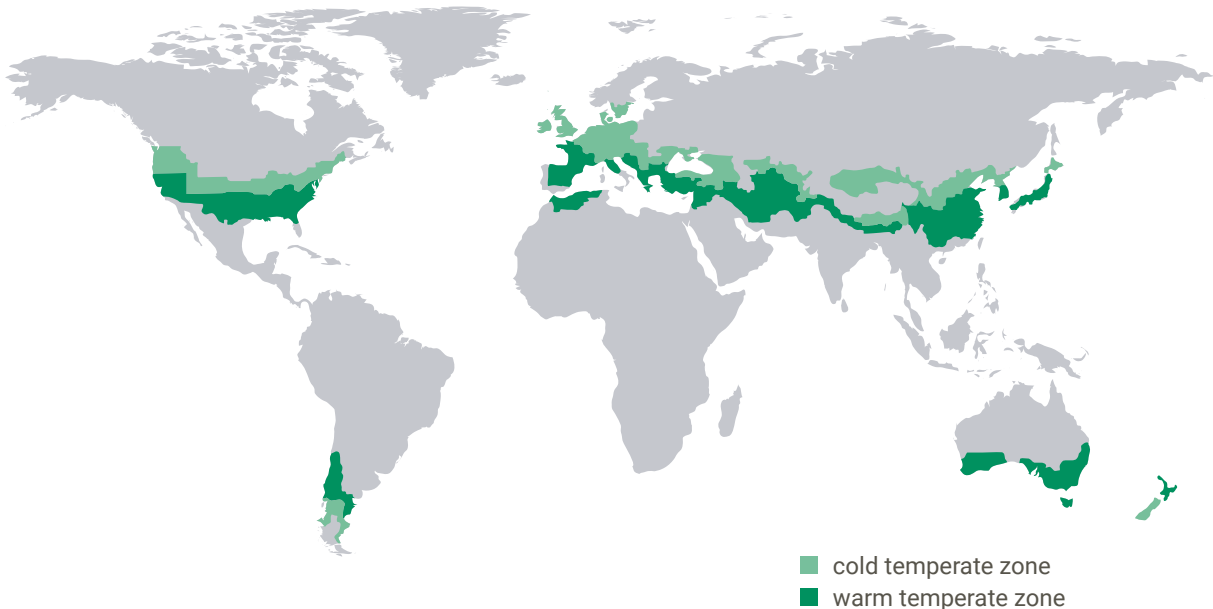


Passive house certification

evoCore+ is a tested component suitable for passive houses according to IFT Guideline WA-15/2 with a minimum U_w value of $0.69 \text{ W}/(\text{m}^2\text{K})$ for climate zone 3.

Insulation value

- Component suitable for passive houses
- Optimised U-value
- Fewer thermal bridges and thermal losses
- Reduced heating costs
- Reduced emission

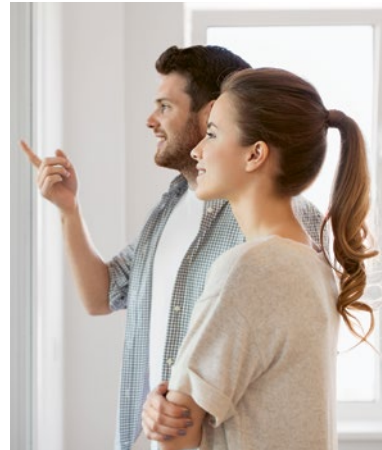


A sustainable contribution to climate protection

Factors	Advantages
Thermal insulation	The thermal insulation capacity of the window is improved by approx. 10 %. Salamander windows with evoCore+ comply with the passive house standard.
Weight savings	An over 75 % lower element weight compared to conventional steel reinforcement ensures easier installation. Equally, the energy required for transport along the entire value chain is also reduced.
Recycling	evoCore+ is made from up to 100 % recycled PET bottle. This means an active contribution to reducing environmental pollution. The material can be reintroduced into the material cycle after use. With evoCore+, the generation of production waste is reduced to almost 0 % since there are virtually no offcuts.
Protection of resources	Valuable contribution to climate protection and the conservation of limited energy resources through the use of up to 100 % recycled PET material.

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Shaping a sustainable future together at the highest technical level –

thanks to our decades of experience in profile development and PVC extrusion. Long-lasting, customisable and sustainable from the word go: We are continuously developing our systems to offer you the perfect window for the future today.

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