

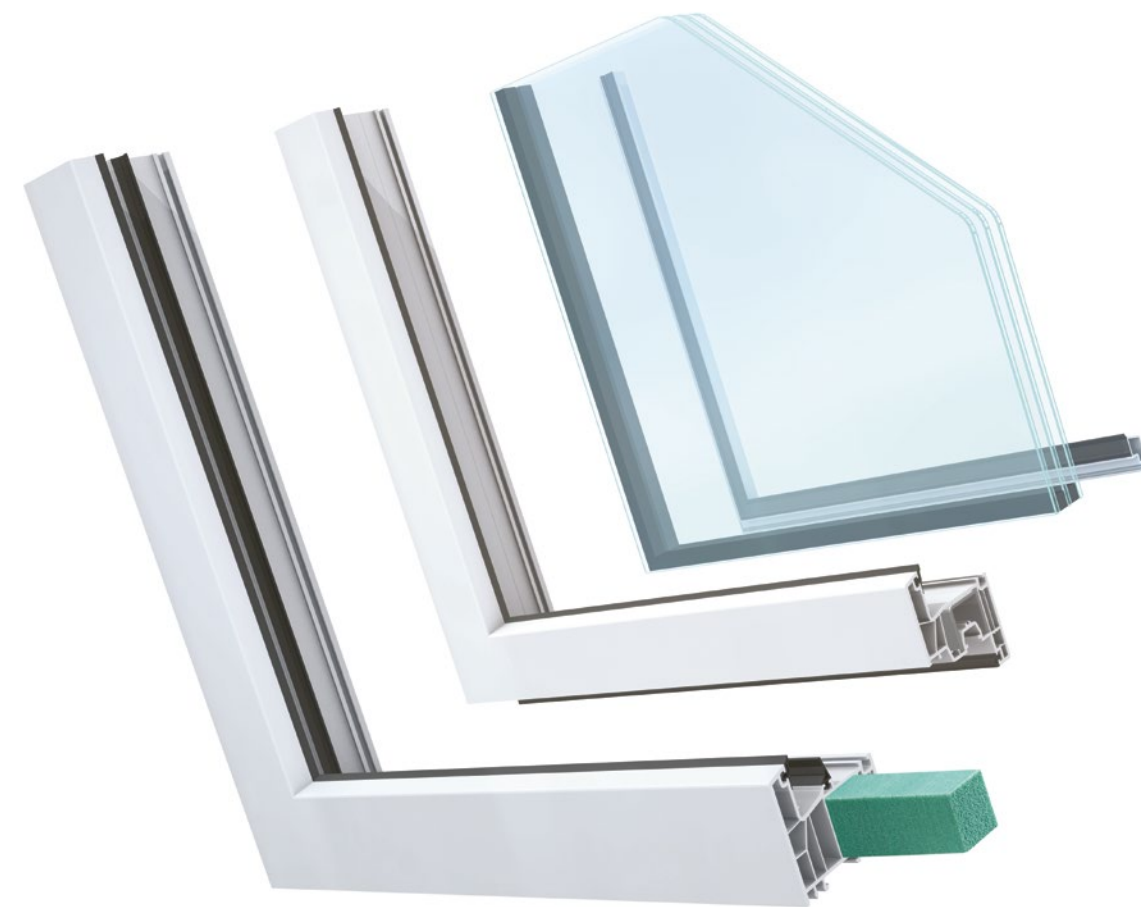
Innovative idea with a huge impact

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_i 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.



SALAMANDER
WINDOW & DOOR SYSTEMS



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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SALAMANDER
WINDOW & DOOR SYSTEMS

evoCore+

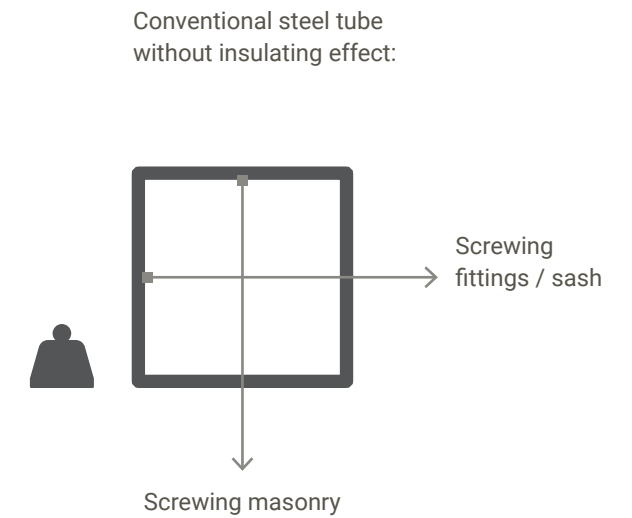
High-tech tuning
for your windows



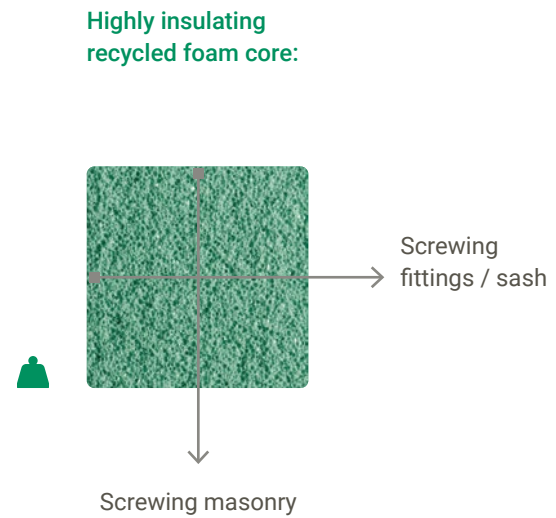
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Recycling, insulation, stability

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



- Used to stabilise the frame and sash in the classic PVC window
- Used to screw fittings and install the window
- No insulating function
- High dead weight



- Can be bolted, welded
- High stability
- Easier assembly due to an element which weighs more than 75 % less than conventional steel reinforcement
- All standard window sizes can be built
- Unchanged element sizes compared to conventional reinforcement
- Burglary protection up to RC2

Highly effective insulation for energy efficient passive houses

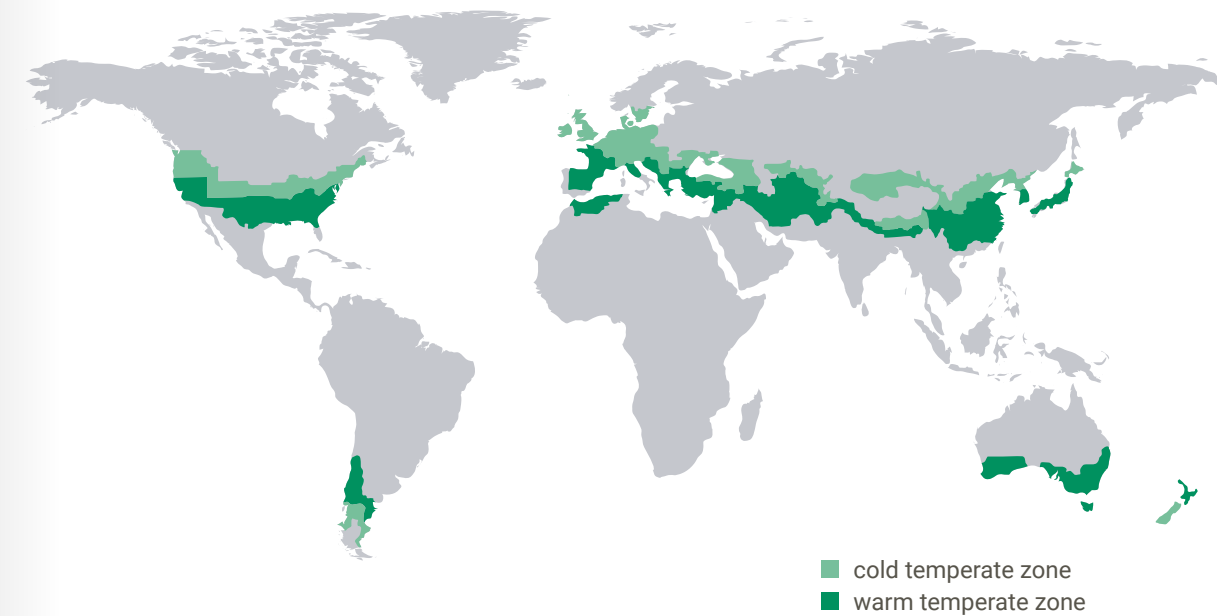


Passive house certification

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

Thermal insulation

Advantages

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 completely from 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 100 % recycled PET material.