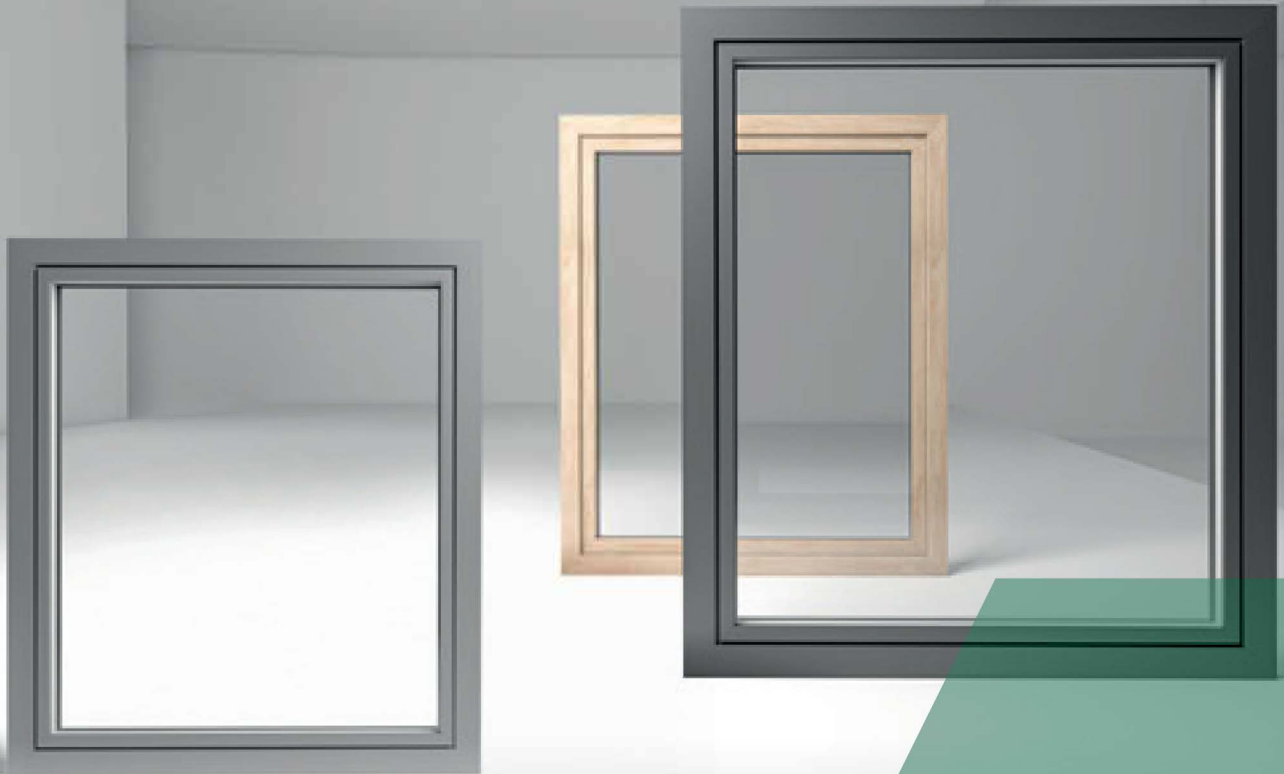


the
future
IS **neo**



Environmental and Sustainability Document

EWS Energeto Neo Composite Fibreglass System:

- 100% Recyclable
- Manufactured with recycled products using sustainable energy
- Excellent acoustic and thermal performance
- Energy efficient: $U_w = 0.73\text{W/m}^2\text{K}$ or $0.67\text{W/m}^2\text{K}$ with foam
- Passivhaus accredited



Sustainable, efficient and innovative

In today's world, quality, sustainability and efficient products are hugely important. In the window industry, innovative approaches such as recycling, Bio PVC and adhesive technology combine these aspects.

Recycling:

Our profiles can be 100 percent recycled and this can be done up to seven times without the material quality suffering. A closed recycling loop allows the recycled material to be used again and again. Recycling contributes to promote conservation and carbon reduction, making our modern hi-tech windows not only functional but also environmentally friendly.

Our system house supplier, aluplast, were a co-founder of Rewindo and are members of EPPA and VinylPlus. apCycle is the aluplast recycling division and certified waste management company.

Bio-PVC:

We need energy to produce our window profiles. In order to improve our ecological footprint, we switched our energy procurement to renewable energies in 2023, including solar, wind and bio mass. Compared to conventionally produced PVC, we can save up to 25 % carbon footprint by using renewable energy, and the product is indistinguishable from product produced from virgin compounds.

Green company:

We attach great importance to high-quality and sustainable products, also directly in our company. We focus on environmentally friendly production and recycling processes and obtain our energy from renewable sources such as solar energy, wind power and bio-mass. We are constantly looking for ways to make our production more environmentally friendly and contribute to sustainability.

Bonding technology:

Modern windows rely on advanced technology that impresses. Our adhesive bonding technology, which with its durability, partial elimination of steel and low maintenance requirements, is more sustainable and safer with the benefit of a reduction in parts.

Powerdur:

This innovative product which is co-extruded with profiles during manufacturing allows for the reduction in steel reinforcing saving weight, providing safer lifting whilst allowing greater window and door sizes to be designed.

Sustainable:

The consistent use of recycled products across all profiles is paramount and we currently average 30% recycled material which is targeted to increase to 50% over the next 3 years. The increased glazing platform allows better U Values.



ap-cycle recycling closed loop



RECYCLATE



GRANULATION



METAL
SEPARATION



METAL
SEPARATION



DELIVERY



SHREDDER





Accreditations

Environmental Products Declaration

EPD Certificate No: EPD-QKE-20220002-IBG1-EN - double glazed units

EPD Certificate No: EPD-QKE-20220156-IBG1-EN - triple glazed units

Documented Life Cycle Assessment

ISO14025 - EPD principles and procedures

EN15804 - EPD data collection and verification

These certificates are Type 3 which have third party accreditation and are independently verified life cycle assessment (LCA) data and life cycle inventory analysis (LCI)

Environmental Protection and Energy Management

ISO50001 - Energy Management System

UNEP Certification 289/2022

Water and energy recycling is extremely important at our manufacturing facilities to reduce carbon emissions

Recycling Initiative

apCycle - This is our system house suppliers recycling division and accredited waste management company.

Rewindo - Our system house, aluplast, are a co-founder of Rewindo which has been created to recycle old windows to reduce CO₂.

The carbon reduction of recycled PVC is estimated at 93% - producing 0.136kg CO₂/kg of profile compared with 2.1kg CO₂/kg in new material. As a comparison most recycled aluminium is estimated to produce 4kg CO₂/kg.

VinylPlus - Our system house are members of this organisation which has a commitment to a sustainable development of product and a 2030 initiative to accelerate the circular economy therefore reducing CO₂ emissions.

EPPA - aluplast, our system house, are members of EPPA, promoting sustainability and a circular economy.

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