

Our sustainable commitment



LEADING THE ENVIRONMENTAL REVOLUTION IN BUILDING PLASTICS

Towards more sustainable buildings

Sustainability is the biggest single issue facing the construction industry today. The Government has set tough carbon emissions reduction targets for the sector, through stricter Building Regulations and the Code for Sustainable Homes. As a result, all new-build homes and commercial buildings will need to be carbon zero by 2016 and 2018 respectively.

The construction sector in particular is being targeted for improvements because buildings are responsible for around half of the UK's CO₂ emissions. What's more, approximately 20% of the heat escaping from any home is lost through its windows, making energy-efficient windows a primary requirement for installers, fabricators and housebuilders.

Pioneering sustainable products for the building sector

Eurocell is at the forefront of sustainable PVC-U building product design. We are constantly innovating and developing new products that extend the boundaries of sustainable performance. Our technically advanced Modus window profile system, for example, has achieved an 'A' rating in the British Fenestration Rating Council's (BFRC) certification scheme. The system has also been used to develop a window specification that achieves the highest BFRC energy-efficiency rating of any double-glazed PVC-U window available in the UK (A+31)* .

In addition, Modus windows can achieve a U-value of 0.7, which helps meet Level 6 of the Code for Sustainable Homes, or Passivhaus status.

PVC-U – the sustainable option

PVC-U building components are now recognised as a truly sustainable option, thanks to advances in recycling. When old PVC-U windows are removed from buildings they can now be recycled and fabricated into new finished products – up to ten times – with no detriment to the physical properties of the PVC-U. Combine this with the average 35-year lifespan of a PVC-U window (Source: BRE), and customers can enjoy hundreds of years of re-use with minimal impact on the environment. That's why PVC-U windows have now achieved the highest rating possible in the Building Research Establishment (BRE) Green Guide to Specification (June 2008), receiving an A rating for residential buildings and an A+ rating for commercial projects. Eurocell PVC-U wall cladding has also been awarded an A+ rating in this influential guide.

EUROCELL SUSTAINABILITY IN ACTION

- ▶ Almost 100% of our production waste is recycled – that's around 3,000 tonnes each year
- ▶ We recycle 22,000+ tonnes of reclaimed PVC-U each year
- ▶ Our post-consumer recycling facilities enable endless recycling of old windows and doors – keeping PVC-U out of landfill sites
- ▶ Cavity closers and PVC-U Thermal Inserts manufactured from 100% post-consumer recycled PVC-U
- ▶ Complete window systems manufactured from up to 60% post-consumer recycled PVC-U
- ▶ Market-leading British Fenestration Ratings Council (BFRC) A-rated and U-Value window performance, for maximum energy efficiency
- ▶ Manufactured and recycled in Derbyshire, UK

*October 2014



For sustainability in BRE Green Guide to Specification



Window Energy Rating – energy gain of 31kWh/m²/per year



Recycled material components



Window U-Value of 0.7 available - carbon neutral specification