

Newsletter

Established in 1982 in Germany, today aluplast is one of the world's leading extruders of premium quality PVC-U window and door products with 28 production plants and sales offices.

aluplast supplies more 1,600 fabricating customers in different countries, producing nearly ten million windows per year.

Its global scale puts aluplast at the forefront of innovation in energy efficient and sustainable PVC-U window and door systems.



Putting the environment first

Find out more about ecotech, our leading-edge green system and what it can do for your business. **p2**

Smart thinking

Smart-Slide, the new inline sliding door from aluplast brings new design flexibility to the UK. **p3**

Next generation foil

Woodec our ultra-life-like woodgrain foil is transforming PVC-U finishing options. **p3**

Sustainable manufacture

aluplast is at the forefront of innovation in PVC-U technology, developing and manufacturing window and door systems which are more energy efficient in life and fully recyclable at end of life.

'Closed-loop' manufacturing

aluplast has championed the recovery, recycling and re-extrusion of PVC-U for more than two decades.

Ecotech brings known-source recycled material back into use, while isolating it within the core of our product. Using advanced technologies and artificial intelligence to guarantee that profiles are manufactured to exacting precision and the strictest of tolerances.



The 270-year-old 'window'

Did you know that PVC-U gets 'better' with age?

Material used in primary extrusions can be recycled nine times without losing strength or performance. In fact, it actually gets better, improving tensile strength each time its recycled.

With a reference service life of 30 years, that means the material used in each aluplast window has a total product lifespan of 270 years, locking carbon away in high-value applications.



Sustainability partnerships

We work with Europe's leading sustainability partnerships including VinylPlus and the European PVC Window Profiles and Related Building Products Association (EPPA).

It's been instrumental in encouraging the development of new and sustainable methods of manufacture throughout the PVC-U building products industry.

Patrick Seitz, our CEO was recently appointed as its president.

VinylPlus

According to the latest figures from VinylPlus, the PVC industry sustainability programme, the collective efforts of the PVC industry has contributed to an all-time high PVC-U building product recycling rate of nearly 740,000 tonnes – 92.4% of the VinylPlus' 2020 target while cumulatively, almost 5 million tonnes of PVC have been recycled since 2000.

Smart Slide Patio

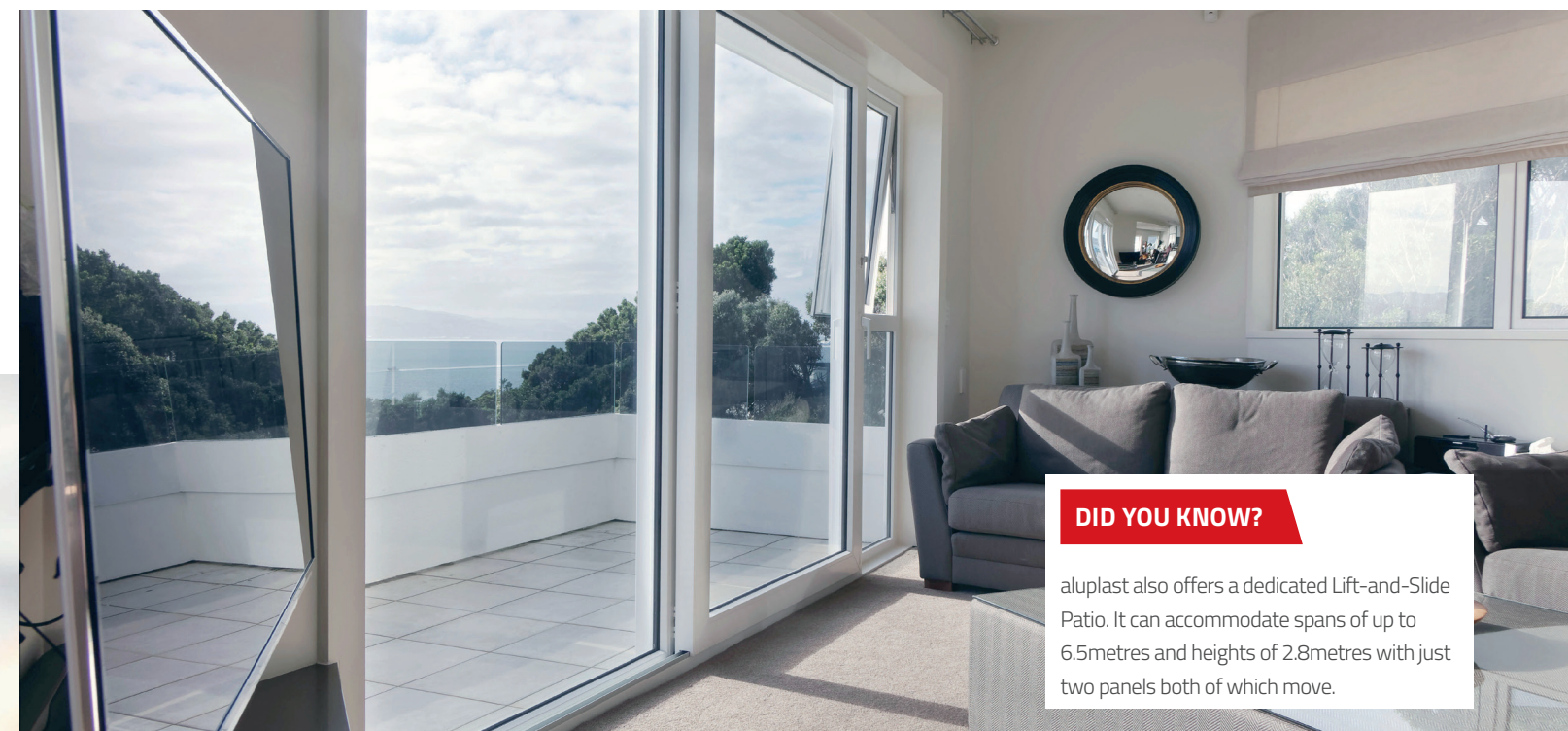


The latest research reveals that inline sliding doors are gaining new ground. We're supporting our customers in accessing new opportunities with Smart-Slide, aluplast's new 70mm inline sliding system.

Smart-Slide delivers impressive design flexibility combining it with ultra-smooth running and easy intuitive operation.

Maximizing the glazed area and with minimal sightlines, its available as a conventional sliding system, or can be upgraded to simple but highly effective new hardware, which allows the door to retract in on itself and self-close automatically with the operation of the handle.

Able to accommodate 28mm through to 40mm glazed units, Smart-Slide delivers ultra-low u-values and an advanced level of energy efficiency.



DID YOU KNOW?

aluplast also offers a dedicated Lift-and-Slide Patio. It can accommodate spans of up to 6.5metres and heights of 2.8metres with just two panels both of which move.

When 'wood' isn't 'wood'

Wood's appeal is in its grain. It's more than an aesthetic quality, it's about touch and natural warmth – things which the PVC-U industry has to date had mixed success in trying to emulate. That is until now.

Woodec, from aluplast, is a new generation foil, which is almost indistinguishable from a natural wood finish, not only in the way that it looks but just as importantly, in the way that it feels.

Three life-like finishes

Woodec is available in three ultra-life-like woodgrains: Turner Oak Malt, a subtle light oak finish; Sheffield Oak Alpine, a silvered oak finish; and slightly darker, Sheffield Oak Concrete.

Available across aluplast's systems offer

Woodec is available on Smart-Slide, Ideal 70 and Ideal 4000 system, plus our Lift-and-Slide Patio.



Why choose Ideal 70?

Designed and developed specifically for the UK home improvement, new build and commercial sectors, Ideal 70 is an ultra-energy efficient and highly flexible PVC-U window system offering significant manufacturing efficiencies and top BFRC WER A+ energy ratings as standard.

KEY FEATURES

1 Fully sculpted system

Its highly flexible design means that Ideal 70 can be paired with different finishes to create a classical or contemporary aesthetic in a single system. Positive stops at either end of the sculptured shape provide defined datum points for modern window fabrication machinery.

2 Matching bead and profile design

The Ideal bead shape mirrors that of the upstand to the glazing rebate to create uniformed sightlines and balanced design.

3 Wide choice of colours and finishes

The high performance thermoplastic gaskets come in two options of either black or papyrus grey gasket.

4 Advanced thermal performance

German-engineered, Ideal 70 draws on global leading innovation in energy efficient window and door design with an ultra-energy efficient five chamber design. This means that it achieves U-values of 1W/m²K and a BFRC WER A+ rating using standard double-glazed units.

5 Co-extruded gaskets

High performance thermoplastic gaskets are available in either black or papyrus grey.

6 Low-sightline single leg glazing bead

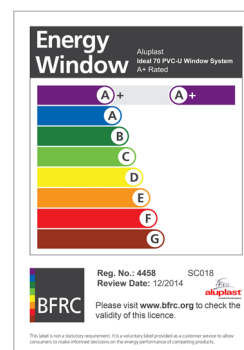
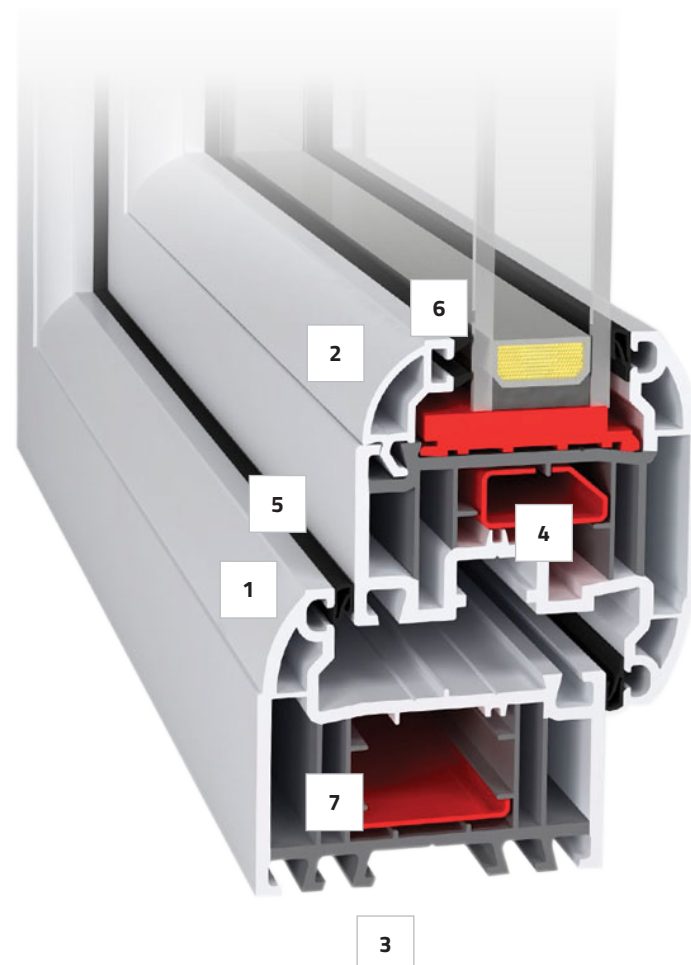
Ideal 70 uses a secure single leg knock-in or j-bead design for faster, cleaner glazing.

7 Green ecotech formula

Our advanced ecotech extrusion technology means that we're able to bring recycled PVC-U back into use in a high-value application, while isolating it from the surface of the profile and structural elements of the extrusion, guaranteeing through life performance.

PAS24 and Secured by Design

Ideal 70 can be manufactured to PAS24 and Secured by Design specifications, making it ideally suited to replacement installations where security is an issue or new build applications



Available as a Flush Casement

Ideal 70 is also available in a Flush Casement option.

This features a dedicated flush sash developed to offer ultra-slim sightlines with a low chamfer running out to the IGU and a reduced front to back depth.

Design features also include a choice of standard and heritage, deep bottom rail, increasing its appeal among owners of period homes.



DID YOU KNOW

The other immediate plus of the aluplast flush sash system is modularity, which means that it's been developed to integrate fully with not only Ideal 70 but also the aluplast Ideal 4000 system, minimizing the requirement for stock holding.

Reliable, cost-effective supply of foiled products

The number of foiled products supplied into the UK home improvement market has jumped by more than 45 per cent in less than a decade. It's key in driving second time replacements and makes up a growing number of new build specifications. These are massive pluses for the industry but despite this, availability and reliability in foil supply are massive issues within our industry.

Redefining expectations of service

Foiling a million plus metres of profile each month aluplast is bringing new flexibility on non-standard finishes.

The multi-million investment that we've made in the latest CNC foiling technology, means that we have eliminated the time lost in traditional foiling in manual set-up and switch over, cutting changes times between runs from hours to just minutes. This means we can pass on the cost and efficiency benefits to its customers in a highly competitive service.

New additions

In addition to our new generation woodgrain, wooddec [p.3] we launched a new true-matt Jet Black foil at the beginning of this year. While our new range of foils designed to replicate the textured finish of aluminium, will launch shortly.

We have also added a grey substrate option across our range. It gives installers the opportunity to match-in window substrate to foil options.

Key USPs for specifiers

aluplast processes more than 200,000 tonnes of PVC-U in Europe annually, equivalent to 75 per cent of the whole UK and Irish markets combined. This scale gives us not only increased efficiency and the ability to pursue a programme of continuous product development – but also incredible stability.

Committed to partnership working

We're committed to working in partnership with our customers in new build and specification sectors including housebuilders, housing associations and local authorities. This includes offering a complete design and specification support service.

Committed to the environment

ecotech, our green PVC-U technology [p.2], allows us to bring hundreds of thousands of tonnes of PVC-U from known sources back into use as part of a new generation of advanced, thermally efficient and low maintenance, windows and doors.

Through-life performance

Our products can contribute significantly to the through-life performance of UK housing stock. This includes offering U-values of 1W/m²K and a BFRC WER A+ rating with standard double-glazed units and A++ with triple-glazed options.

Low maintenance, aluplast windows and doors can also significantly reduce costs associated with maintenance of windows and doors manufactured in other materials.



Horn Sash Casement Window

Capture traditional detailing in a high-performance window.



Tilt & Turn Casement Window

A contemporary design and highly practical option.



Astragal bars & leaded glass design

Ideal for period installations offering additional differentiation.

Ideal 4000

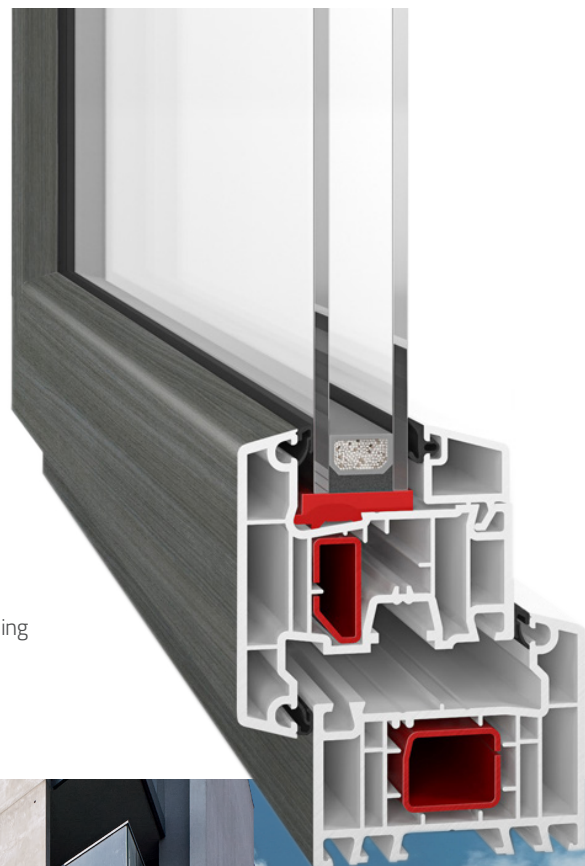
A contemporary 70mm SquareLine PVC-U window and door system

Ideal 4000

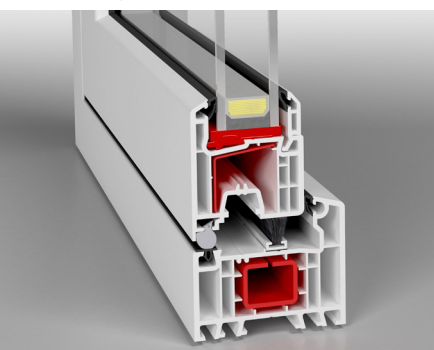
With its urban, SquareLine design, Ideal 4000 delivers the flexibility for use in a wide variety of architectural applications from domestic replacement, to premium residential and commercial buildings.

KEY FEATURES

- Contemporary aesthetics
- Energy efficient five chamber profile
- A+ or A++ WER BFRC performance
- Co-extruded thermoplastic gaskets
- Single leg internal glaze secure beading
- Available in 30 foils plus next generation woodgrain, woodec
- Available in aluskin



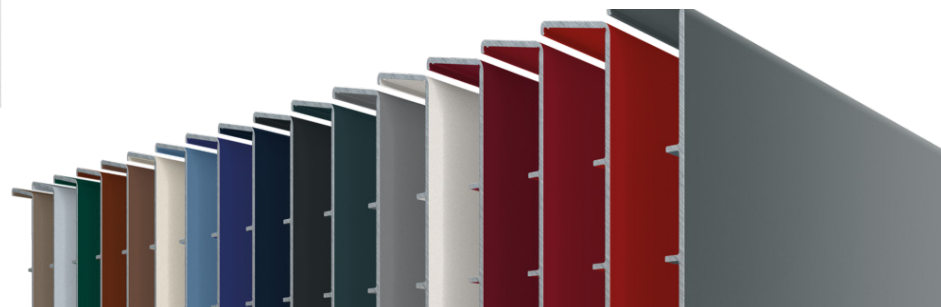
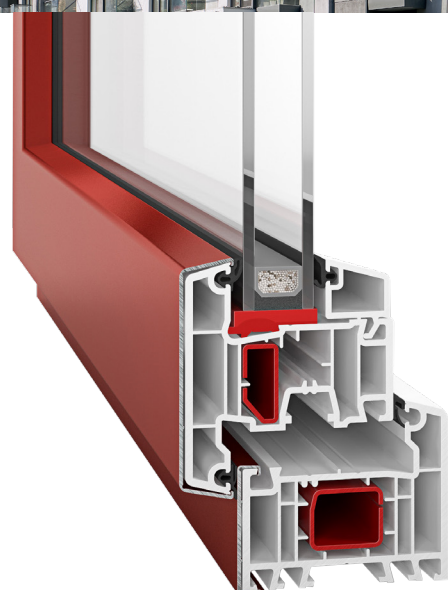
Ideal 4000 is also available in a flush sash casement option.



Ideal 4000: aluskin option

In addition to our extensive range of foils and next generation woodgrain, woodec, Ideal 4000 is also available in aluskin, a highly innovative 'click-and-fit' aluminium cladding system.

Tested to European standards, this proven technology delivers a contemporary WER A+ rated aluminium finished window, at a highly competitive price-point without the requirement to invest in specialist machinery.



News and updates

Sustained investment

aluplast has announced a multi-million-pound investment programme more than doubling capacity within its extrusion and warehousing operations in Europe.

This builds on its existing state-of-the-art manufacturing facility, with the development of a new 13-hectare site in Europe.

In addition, aluplast is also in doubling capacity at its headquarters in Karlsruhe, further increasing the German system's house's European and global manufacturing capability.

Meanwhile in a statement of its commitment to the UK aluplast has signalled its intention to double its distribution hub to support increased stock holding in a statement of intent of its commitment to the UK market.



Ideal 70 supplied to historic conversion

Tone Vale Hospital, a Grade II listed property and associated mews and outbuildings in Taunton, originally opened in 1897.

Intelligently converted by Jones Building Group into a residential development, these existing buildings, have been combined with new additions to the site.

This includes a gate house, six town houses and a lodge house, split into two separate properties but designed to appear as if a single building, and a number of luxury apartments, converted from within the main building.

Having been originally specified in aluminium, windows and doors were re-specified in Ideal 70 in anthracite grey on white from aluplast to support the contractor in achieving higher levels of thermal performance.



BBC features aluplast roadmap to UK productivity

Radio 5 Live has profiled the operational model used by aluplast, as a potential solution to the UK's productivity gap.

Broadcast live from Karlsruhe, Southern Germany, presenter Fiona Trott and the British businessman Will Tyler reported on how continuing investment had supported the systems company's increased productivity.

Speaking on the 'In Short' show, Tyler said that education, staff engagement, long term planning, research and ultimately investment, are driving increased outputs and technical innovation.



BSI Awards aluplast 20 Years' of Excellence Award

Aluplast has been recognised by the British Standards Institute (BSI) with its 20 Years' of Excellence Award.

Recognising consistent quality, innovation and sustained investment, the award reflects aluplast's continuing contribution to the UK window and door industry.

This includes its contribution to the sustainable manufacture of PVC-U and ecotech its green PVC-U technology.

Ideal 70 specified by Edinburgh Zoo



The Ideal 70 system from aluplast has been specified as part of a refurbishment project at Edinburgh's world-renowned zoo. Windows, doors and escape doors, were fitted as part of a refurbishment of Penguins Café.

Ideal 70 draws down on aluplast's investment in research and development, to offer one of the industry's most energy efficient five chamber PVC-U profiles.

It features an optimum 44mm flush triple-glazed beading option, which contributes to up to a WER A++ rating. Fully integrated hardware and reinforcement, also make it a proven Part Q, PAS24 and Secured by Design system.



Colour is key to driving increased margin

As well as Pvcu window profile extrusion, aluplast now has one of the most advanced colour foiling facilities in Europe foiling over 2.5 million meters of profile each month. We have over 30 plus foils including our new ultra-life-like woodec range to choose from with no limitation as to how you combine these colours. The choices are infinite.



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