



INNOVATIVE UK DESIGNED
COMPOSITE WINDOWS, DOORS & CURTAIN WALL

Products & Services Guide

Design-5 Composite / Timber Aluminium Clad



Design-5 is a high quality high performance window and door system designed to offer choice of opening styles, choice of external colour and choice of internal timbers and treatments.

'The very best of both worlds'

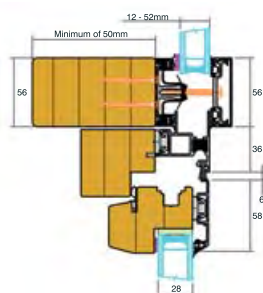
A 'composite' or timber aluminium clad construction using beautiful timber on the inside and powder painted or anodised aluminium on the outside.

Manufactured in the UK Design-5 is an extensive range of composite window and door products featuring innovative design, high performance, and high quality modern automated manufacturing all at highly competitive prices. All the timber 'corners' on the AM Profiles' window and door are traditionally jointed.

Why bring composite windows, doors or curtain wall in from abroad? AM Profiles is UK based and we offer composite windows with market leading performance levels, superior customer service and traditional build quality and techniques.



"Buy British - the high performance competitively priced Design-5 window - designed and manufactured in the UK"



'High performance high quality UK timber aluminium clad windows'

The Design-5 Open Out UNI Window Range

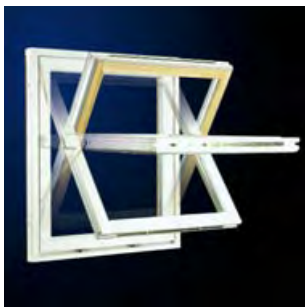


An open out window system with top or side swing fully reversibles, top or side hung casements and fixed lights. These can all be produced within one outerframe fenestration so maintaining a matching external appearance.

High thermal performance and high security multi-point locking come as standard. Products are designed to be thermally 'future proof' and for security peace of mind are tested to BS7950 plus AM Profiles is a Secured-by-Design registered firm.

'For ease of cleaning it is difficult to beat the Design-5 UNI reversible window'

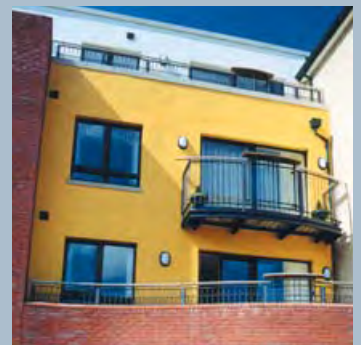
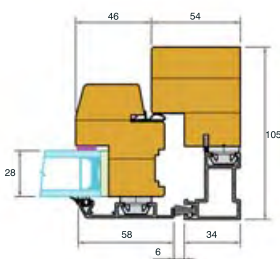
Reversible Windows



Utilising the respected Peder Nielsen top swing or side swing fully reversible hinge this option gives easy cleaning from inside the room.

Our standard open out window is capable of achieving 1.3W/m²K and for design flexibility and cost effectiveness robust Friction Hinges can be incorporated.

'Innovative thermally efficient UK Composite Windows, Doors and Curtain Wall'



Design-5 Tilt & Turn Window (+ PassivHaus option)



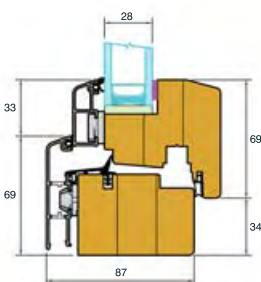
Composite offers excellent thermal performance. As window thermal insulation becomes more testing some window construction types will become very expensive. Our timber aluminium clad system is 'future proof' as it can already meet stringent anticipated levels.

Performance

All windows are high performance as standard and our testing programme is ongoing for security, thermal levels, weather performance and acoustics. Please request or download a product specification data sheet for a specific window type to obtain current performance levels.

Invisible Sash/Casement Option

On the 'Invisible Sash' or 'Invisible Casement' option a stepped sealed unit is used. The aluminium on the outside of the sash or casement is omitted and one 6mm skin of glass comes across the sash section. This is available on both the open out UNI window and the Tilt and Turn.



Design-5 Hinged Doors, Folding, Sliding & Patio



An extensive range of door systems is available to match the composite window – these include hinged doors in open in, open out, single and double arrangements, folding sliding doors, in-line and tilt and slide patios.

A full composite solution is available including windows, doors and curtain wall.

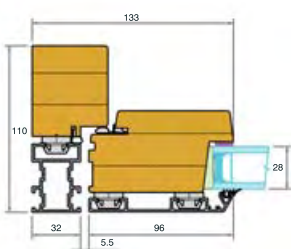
All the door timber sections are substantial and traditionally mortise and tenon jointed.

Finish to windows and doors

High quality finishes come as standard on the internal timber and external aluminium.

Aluminium – the full range of RAL and BS powder paint colours and anodised finishes are available

Timber – FSC European Engineered Pine as standard in clear or white high build water based finish. Other timbers and finishes are available subject to order volume.



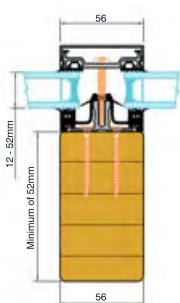
Timber / Aluminium Curtain Wall



The composite curtain wall from AM Profiles features laminated pine mullions and transoms with aluminium cappings. The system offers cutting edge design, excellent value and breathtaking aesthetics. Large span and significant weight capabilities open up wonderful imaginative design possibilities.

- Strong and well engineered transom to mullion connection module
- A range of aesthetically pleasing aluminium cover profiles are available
- Laminated timber beams for structural integrity

The beautifully finished laminated pine can be made at an appropriate front-to-back dimension to meet challenging spans and wind loadings. The composite curtain wall offers amazing thermal performance to 0.8W/m²K PassivHaus standard.



Structural Silicone Glazed Option



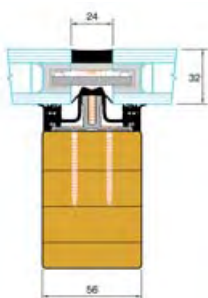
The structural silicone glazing option offers attractive laminated pine mullions and transoms on the inside with only a fine silicone joint visible between the high performance glass units on the outside. Special structural glazing toggles engage in an aluminium profile within the edge of the sealed unit spacer bar and a silicone seal



covers this to create a crisp clean design line. The front-to-back dimension of the superbly finished laminated pine is designed to handle large spans and high wind loadings. Excellent frame thermal performance comes as standard.

PassivHaus Curtain Wall

The timber aluminium and timber SSG curtain wall offered by AM Profiles are at the forefront of design offering massive unsupported spans, huge transom load capability and market leading thermal performance to the PassivHaus standard.



Design Flexibility

We can offer a wide range of design options – these are just a few:

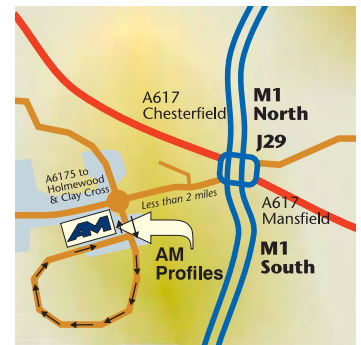
- Insert Windows
- Sashes/Casements on Parallel (Scissor) hinges
- Auto Openers (AOV's)
- Timber aluminium clad composite glazed roofs
- Assistance with glazing selection to meet demanding acoustic requirements
- Triple glazing options



Using raw materials from sustainable sources

- Investment in new production equipment has significantly speeded up our production process and this is reflected in our highly competitive pricing structure
- Fast delivery turnaround
- Environmentally sound product with FSC timber as standard and all our aluminium is recycled
- Using raw materials from sustainable sources
- Quality management system ISO9001:2000 and
- Factory Production Control – audited by the BRE

AM Profiles offer innovatively designed composite windows, doors and curtain wall and a superior service from concept to completion. AM's in-house design team ensures we stay at the forefront of design innovation and can provide a range of standard or bespoke solutions as required.



We welcome client visits to our factory, showroom and offices.



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Assessed to ISO 9001:2000
 Certificate number 808

