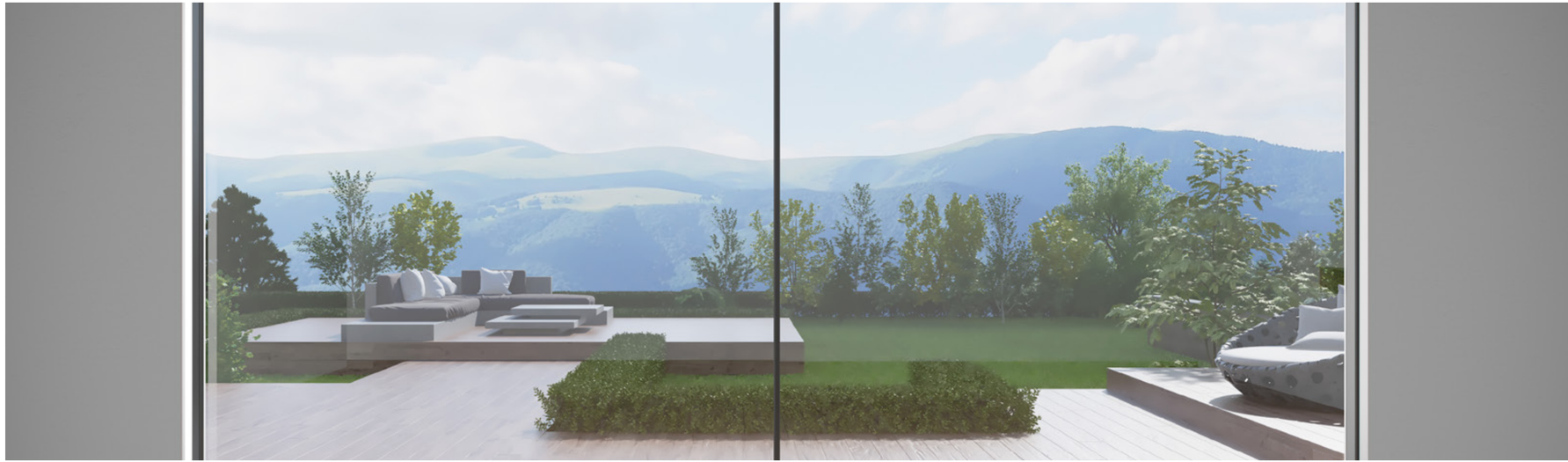
Framed by

INFINIUM

AluFoldDirect
Everything Aluminium

A MODERN MASTERPIECE

Like the finest pieces of art great architecture inspires. It evokes discussion and stirs emotions. At times it demands attention. Other times reflection. And at its most powerful, it beautifully unifies indoor and outdoor worlds. INFINIUM panoramic aluminium glazing embodies these principles with picture-perfect precision, turning every view into an ever-changing work of art.



BEAUTIFULLY CONSIDERED

Infinium brings together indoor and outdoor living spaces in exquisite harmony. Free-flowing spaces are created thanks to the impossibly slim 21mm interlock sightline that bathe every surface with natural light. Uninterrupted panoramic landscapes provide complete escapism, without need of escape. While seamlessly integrated floor-to-ceiling glazing reflects the clarity of thought behind every inspired design decision.

EXCEPTIONAL DESIGN, WITHOUT EXCEPTION

Fully concealed aluminium outer frame and sash. Flush thresholds. Elegantly simple operation. Infinium's considered design impresses from every angle. However, its most remarkable design feature barely catches the eye. The impossibly thin 21mm sightlines create the illusion of large endless spaces. The effect is charming, yet practical. Minimalist, yet undeniably magical.

HIDDEN BEAUTY

Great architecture isn't simply built on aesthetic appeal. It's judged equally on the way it makes you feel. The way it protects, calms and reacts to your mood. Infinium was designed with comfort firmly in mind. For example, double thermal breaks improve insulation and bring added warmth into the home. While also keeping unwanted noises out.

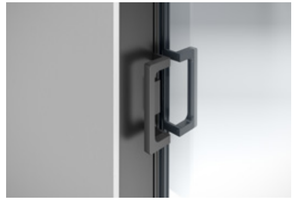
INSPIRED DECISION–MAKING

Freedom. That most sought-after design feature. It's what turns a property into a passion project. Where every decision brings you ever closer to your dream home. Infinium offers choice in abundance. Double tracks are available now, up to 4 sashes. Up to 6 sashes will be attainable in triple track, later in 2018. Floating open corners will also be available later in 2018.

VERSATILE

FLAWLESS EXECUTION

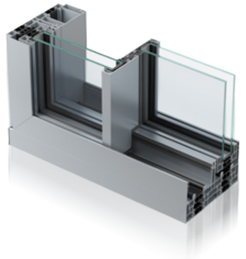
Attention to detail. It's so often what separates good from great. It's why bespoke aluminium rollers have been designed to ensure the heaviest Infinium sash requires only the lightest touch to open. For added ease, and further distinction, an automated motorised system is available. Handles are cleverly concealed, yet always near at hand. And while the outside world is welcomed into the home, uninvited guests are kept safely locked out.



DETAIL

TECHNICAL SPECIFICATIONS

The new INFINIUM sliding glazing system allows for wide panoramic views with natural daylight and offers greater comfort. Its high levels of thermal and acoustic insulation combined with its wide range of configurations will satisfy any architectural requirements. Launch options inc a two track threshold, with triple track and corner opening variants to follow later, in 2018. Sash sizes are determined by glass/load weight @ 400kg per sash / up to 3000mm wide and 3500mm in height.



DESIGN FEATURES

- Inline sliding glazing
- Fully concealed outer-frame
- 21mm central interlock
- One or more opening panels with large width dimensions up to 3000mm (W) and height dimensions up to 3500mm
- Holds up to 400 kg panel weight

OPTIONS

- Available in two track only (with triple track to be launched later in 2018)
- Floating corner post available later in 2018
- Single colour options available on a 2 week lead time
- Dual colour options available on 8/10 week lead time
- Double and triple glazing options are available at 38mm and 52mm.

HARDWARE

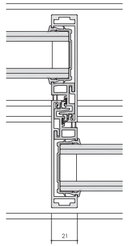
- A bespoke central lock fully integrated into the interlock
- Lateral locking handle with concealed mechanism
- Motorised lock and sliding mechanism

SPECIFICATIONS

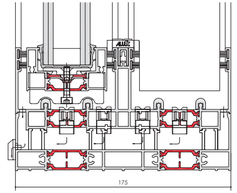
Performance and accreditation	
Uw-Value (Double Glazing)	1.3 W/m²K
Uw-Value (Triple Glazing)	< 1.0 W/m²K
Air Tightness	Class 4 (600 Pa)
Water Tightness	Class 8A (450 Pa)
Wind Load	Class C3 (1200 Pa, up to 160 km/h)
Size limits	
Maximum Sash Weight	400kg
Maximum Sash Dimension	3000mm (w) | 3500mm (h)
Maximum igu	38mm to 52mm
Colour offering	
RAL/BS Single colour option	2 week lead time
RAL/BS Dual Colour option	8/10 week lead time

CAD CROSS SECTIONS

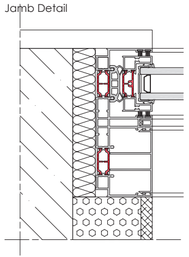
Interlock



Sill Detail



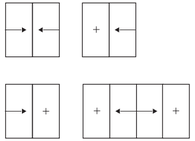
Jamb Detail



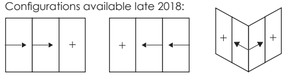
CONFIGURATIONS

The diagrams showed here illustrate some of the configurations achievable with Alufold Direct's Infinium system.

Configurations available now:

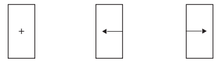


Configurations available late 2018:



90° corner post

KEY

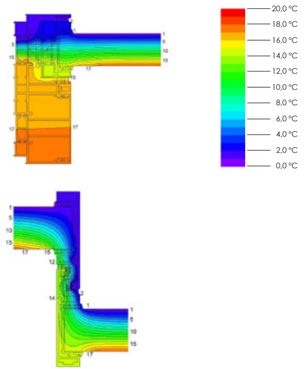


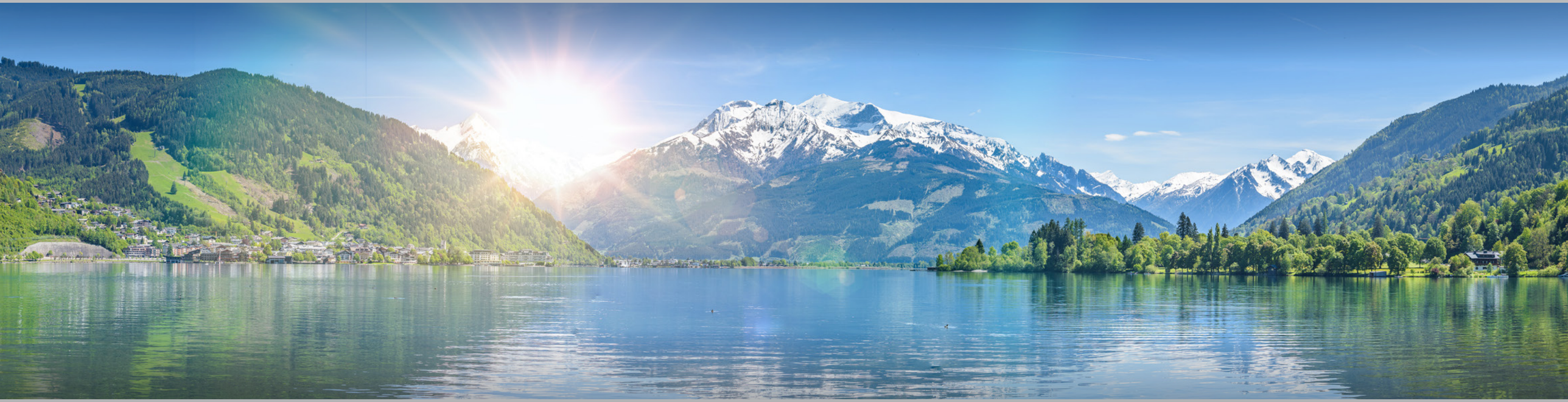
fixed sash

sash slides to the left

sash slides to the right

THERMAL MAPPING





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