

INVI

TIMBER/ALUMINIUM SLIM LINE WINDOW

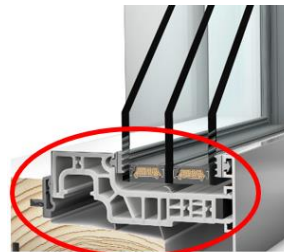
TECHNICAL DATA:

Design Modern, minimalist-style square-edged exterior and interior design that provides great light transmission and slim sight lines.

Thermal insulation Thermal insulation with standard triple glazing and Swisspacer Advance ($U_g = 0.53 \text{ W/m}^2\text{K}$)
 $U_w = 0.76 \text{ W/m}^2\text{K}$; g_g value 56%
 For best energy efficiency we recommend ECLAZ glazing with $U_g = 0.53 \text{ W/m}^2\text{K}$; g_g value 61%

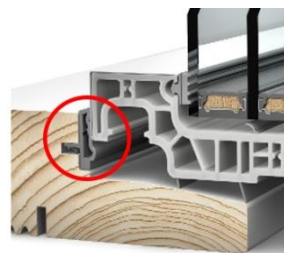
Sound insulation Soundproofing up to 46dB (with corresponding glazing)
 Soundproofing of open windows up to $R_w + C_{tr}$ 24dB (with special acoustic windows)

System description 140mm standard frame depth
 53mm casement height
 92mm mullion width
 High standard security
 PAS24 security option available
 High thermal insulation with our unique composite sash
 Composite sash with interior uPVC surface
 Fully concealed hardware
 Adjustable hinges
 Exclusive window handle is easy to clean behind



High thermal insulation

Fibre-reinforced composite sash is one solid piece of material and its air chambers create a highly insulated product. There is no cold bridge on the sash and no risk for condensation on the inside.



Superior weathertightness

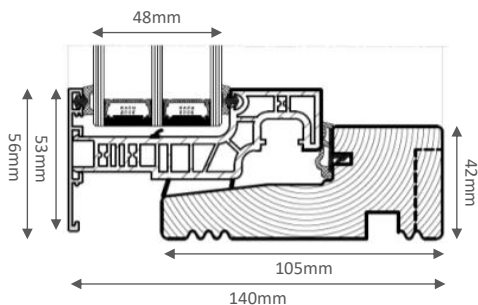
Two seals on the composite sash and a frame seal that is fitted in a groove, so it does not shrink and retract over time.



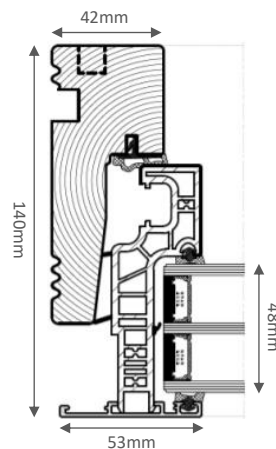
Fully glued glass is standard

Glass panes, glued to the composite sash, ensure strong structural characteristics and good resistance against torsion as well as enhanced security.

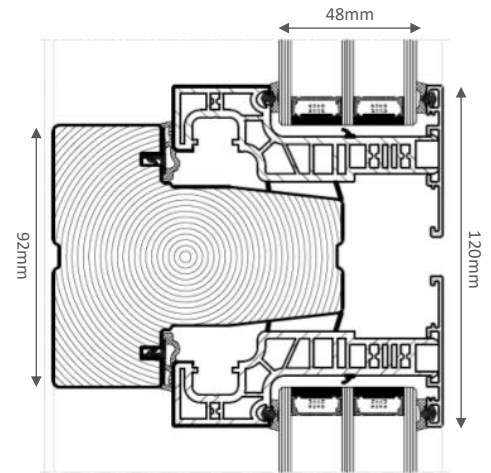
Vertical section



Horizontal section



Mullion section



System description

- Timber frame with slow growing finger-joint North Scandinavian pine. All pine is FSC[®] or PEFC[®] certified.
- Frame depth possibilities: 140, 160, 175mm
- Fibre-reinforced composite sash with interior uPVC surface
- Aluminium outside: Extra resistant FIJI PPC colours as standard, RAL, highly weather resistant structural, matt, metallic and granite colours available
- Timber inside: 10 standard timber colours, RAL and NCS along with mahogany and oak as available options
- Composite inside: various RAL colours
- Glass thickness 48mm
- Espangnolette with multiple mushroom bolts. Locking points around the top and bottom corner.

Quality assurance/monitoring

- In-house quality assurance system
- DVV certification

Sound insulation

- 32 – 46 dB

Designs

- Fixed frames, opening windows and patio doors all have identical dimensions, to allow for equal sight lines
- Angular and triangular window configurations available
- INVI Vetro with solely glass on the outside instead of aluminium

Opening types

- Top guided windows (with friction brake)
- Side hung windows (with handle-controlled brake)
- Side guided windows (with friction brake)
- Reversible windows
- Fixed
- Patio doors and double patio doors (with handle-controlled brake)

Heat insulation

- $U_w = 0.76 \text{ W/m}^2\text{K}$ with triple glazing
- $U_g = 0.56 \text{ W/m}^2\text{K}$
- Interior surface temperature $T_{oi} = 13.2^\circ\text{C}$

Options

- Exposed fanlight opener
- Trickle vents in aluminium as well as black and white colour
- Glazing bars with New Yorker style
- As an option: Exterior timber rebate can be painted in similar RAL colour as exterior aluminium.
- Lockable handle with a discreet key lock that matches the design
- Restrictors

Load category

- Joint and air permeability EN 12207 up to category 4
- Impermeability against driving rain EN 12208 up to category 9A
- Wind load EN 12210 up to category 3C

Warranty

- Please consult the Maintenance-Care and- Warranties booklet for detailed information on the Kastrup warranty

KASTRUP WINDOWS

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Distribution, installation, and service by authorised Kastrup distribution partners

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