

## AlphaLine® (Sliding Window)

AlphaLine® is a cost effective range of windows, doors and curtain walling. AlphaLine® windows can be hinged, sliding or fixed and both the horizontal and vertical sliding windows can be supplied with anti-pass mesh. The horizontal sliding security windows may also have a cleanable vent (patent pending.) AlphaLine® security windows with mesh are suited to a wide range of applications such as low secure facilities and drug rehabilitation centres where contraband is an issue but ligature is not. All AlphaLine® products are manufactured by Fendor at our Gateshead facility.

### Manufacture – aluminium

The AlphaLine® range is manufactured from extruded thermally broken aluminium profiles cut to specific lengths with corner mitres glued and crimped together. Beads are square cut and wedged in place with specialist gaskets which can be glued and backsnipped for security applications.

### Quick View

Product	AlphaLine® windows offer optimum ventilation and natural light without compromising security (general/low applications.) Standard and bespoke options.
Applications	Commercial, education, general healthcare including low secure and drug rehabilitations, domestic applications.
U-Values	Windows achieve a U-value of 2.2w/m2K or lower (depending upon specific o/a sizes and glazing specifications)
Quality	All AlphaLine® products are designed, manufactured and installed in accordance with ISO 9001 (certificate available)
Weather Test	Windows are tested to meet BS6375
Warranty	Warranties of up to 25 years available (please ask about cleaning and maintenance)



Internal Closed



Internal Open with Anti-Pass Mesh



AlphaLine® Isometric

## AlphaLine® features

### Standard features

- Thermally enhanced to meet document L or J (Scotland)
- Weather tested to BS6375
- Narrow frame to maximise natural light, natural ventilation & increased air flow
- Integrated water drainage system with anti corrosion resistant fittings
- Easy to de-glaze & re-glaze by authorised personnel
- Designed for minimal maintenance
- Manual control only
- Glazing capacity 8mm – 36mm

### Security and Safety features

- Reduced potential for self harm
- Restricted opening option available
- Anti-contraband/Escape/Burglar Security Grille option available
- Wasp/fly & vermin resistant grille option available

### Additional features

- Opening sliding vent – can be restricted or locked open/closed if required
- Enhanced Acoustics/Solar Control/Thermal Performance
- Integral blinds within fixed pane – manual / electric option available
- Integral blinds within moving pane – manual only
- Enhanced Building Energy Performance
- Anti bacterial finish to glass, metal components and sealants
- Easy clean option (patent pending)

### Hardware

- Standard and bespoke anti-ligature hardware

### Product Data

Material	Aluminium
Orientation	Horizontal sliding window / vertical sliding window
Sustainability	All materials used on Fendor AlphaLine products are environmentally sustainable and can be fully recycled supporting Building Energy performance criteria.
Glazing Options	Single/Double/Triple/Security/Acoustic/Integral blinds

### Product Testing/Standards

Standard	In accordance with Approved Documents
Weather	In accordance with Approved Documents according to BS6375
Security	Full range of testing available, please contact Fendor at info@fendor.co.uk
Acoustic	Subject to glass specification, full details available