

VISOLINE



Navigation House, Sheffield. Fabricator: Mayfayre Window Systems

Visoline Features

- Open in windows
- Open out windows
- Internal glazed windows
- Side hung windows
- Top hung windows
- Hopper windows
- Tilt 'n' turn windows
- Pivot windows - horizontal or vertical
- Tilt and slide windows and doors
- Commercial and residential single or double doors



The Playhouse, Liverpool. Fabricator: Gillwood Services



VISOLINE



Description

Standard series of profiles with thermal break, used for most traditional door and window applications in houses and industrial buildings.

Applications

Windows:

- Fixed windows for single or double glazing
- Single or double sash side-hung open-in or open-out windows
- Tilt and turn windows
- Outward opening top-hung windows
- Pivot windows. Horizontal or vertical.
- Commercial and residential single or double doors. (Residential doors are open in only)
- Tilt and slide windows and doors (with appropriate hardware).
- Possibility to bend the profiles for applications such as: round windows, pointed and basket arches

Rounded glass beads are available for a Soft-look

Doors:

- Commercial and residential doors
- Single or double sash
- Residential doors are open-in only

Materials

Aluminium: AlMgSi 0.5 Type 6060/6063 T5 in condition F22 (according to NBN P21-001 and DIN 1725).

Tolerance according to DIN 17618.

Sealings: E.P.D.M. according to DIN 7863, TV 110, NFP 85301, ISO 3994. Tested and approved according to an artificial ageing test of "Plexi glass" combined with vulcanised rubber.

Co-extruded profiles: according to DIN 7863, TV 110, NFP 85301, ISO 3994, tested and approved according to an artificial ageing test of "Plexi glass" combined with vulcanised rubber.

Thermal break: polyamide strips PA 6.6.25% reinforced with glass fibre.

Finishing

Electrostatic Powdercoating: according the guidelines of A.P.A.-Qualicoat in most of the current RAL-colours. The composed profiles (with thermal break) can be coated with different inner and outer colours ("Bi-Color").

Anodisation in satin or bronze colours with EWAA/EURAS-Qualinod quality label.

New: Possibility to colour in woodstructure to imitate different woodstructures (powder coated according to Qualicoat).

Thermal break

The profiles consist of 2 aluminium extrusions which are separated from one another by polyamide strips PA 6.6.25 reinforced with glass fibre. A gluing thread, rolled and pushed in together with the thermal break profile ensures a strong adhesion after melting and flowing, when the profiles are heated in the hardening furnace.

Performance level

according to STS 52.0:

Air transmission:	PA3
Mechanical resistance to wind:	PV3
Watertightness	PEE 1000 Pa

according to UEATC:

Air transmission:	A3
Mechanical resistance to wind:	V3
Watertightness	E4

Details

Windows:

- Built-in depth: outer frame 51 mm, sash 60mm
- Glazing rebate: 22 mm
- Hardware rebate: according to the current European sizes
- Sealings: centre seal and inside stop rubber
- Glazing: from 4 up to 37 mm
- k-value: 3,110W/m²K
- Technical approbation with BUTgb certificate (ATG 94/2022-VISOLINE)
- KOMO-certificate SKG (ATT'96.11.257)

Various forms of hardware and finishing available

Windows can be joined with variable couplings or standard fixed couplings (such as 90° and 135°) using profiles with thermal break

Adapter profiles for roller shutters

Sill adapter

Window sill profiles in various depths available

Doors:

- Built-in depth: outer frame 51 mm, sash 60 mm (residential doors)
- Glazing rebate: 22 mm
- Sealings: with 2 stop sealings in extruded E.P.D.M.
- Glazing: from 4 up to 37 mm
- Direction of opening: both inwards and outwards

Technical approbation with BUTgb certificate (ATG 94/2022-VISOLINE)

KOMO-certificate SKG (ATT 96.11.257)

Various forms of hardware and finishing available

Possibility to bend the profiles

Rounded glass beads are available for a Soft-look

Glass Options

Design Configuration	Glass Type	U-Value
L1	Hard coat low-E air	2.4
	Hard coat low-E argon	2.3
	Hard coat low-E argon (w/ super spacer)	2.1
L2	Soft coat low-E air	2.1
	Hard coat low-E air	2.4
	Hard coat low-E argon	2.3
	Hard coat low-E argon (w/ super spacer)	2.1
	Soft coat low-E air	2.1