





UNIWIN WINDOWS AND DOORS PROFILE GUIDE



UNIWIN UPVC PROFILES



IDEAL 4000

five-chamber profile

double seal

frame thickness 70 mm

Uf = 1,3 W/m2K*

Uw = 0.88 W/m2K(with glazing Ug = 0,5 W/m2K)

double glazing/ triple glazing up to Ug = 0.5 W/m2K



IDEAL 5000

triple seal

five-chamber profile

frame thickness 70 mm

Uf = 1,2 W/m2K*

Uw = 0.85 W/m2K

double alazina/

triple glazing

(with glazing Ug = 0,5 W/m2K)

up to Ug = 0.5 W/m2K



IDEAL 6000

six-chamber profile

triple seal

frame thickness 80 mm

Uf = 1,1 W/m2K*

Uw = 0.8 W/m2K(with glazing Ug = 0.5 W/m2K)

double alazina/ triple glazing up to Ug = 0.5 W/m2K



IDEAL 7000

six-chamber profile

double seal

frame thickness 80 mm

Uf = 1,2 W/m2K*

Uw = 0.8 W/m2K(with glazing Ug = 0.5 W/m2K)

double alazina/ triple glazing up to Ug = 0.5 W/m2K



IDEAL 8000 SV



eihat-chamber profile (with glued glazing)

triple seal

frame thickness 85 mm

Uf = 1.0 W/m2K*

Uw = 0.75 W/m2K(with glazing Ug = 0,5 W/m2K)

double glazing/ triple glazzing up to Ug = 0.5 W/m2K



ALPHALINE 90 PLUS



six-chamber profile (for passive houses)

triple seal

frame thickness 90 mm

Uf = 0.9 W/m2K*

Uw = 0.7 W/m2K(with glazing Ug = 0,5 W/m2K)

double glazing/ triple glazzing



ENTRANCE DOOR



double seal

frame thickness 70 mm

Uf = 1.4 - 1.6 W/m2K*

Uw = 0.97 W/m2K

double glazing/ triple glazzing up to Ug = 0.5 W/m2K



BRITISH TRADELINE 007



five-chamber profile

double seal

frame thickness 70 mm

Uf = 1,2 W/m2K*

Uw = 1.0 W/m2K(with glazing Ug = 1,0 W/m2K)

double glazing/ triple glazing up to Uq = 0.5 W/m2K



*Uf = heat permeability coefficient of the frame (profile). The heat permeability coefficient states how much energy in Watts passes through a given material with 1 m² surface at a difference of 1 degree of Kelvin between the outer and inner temperature (in W/m²K). Lower value means better insulation. **Uw = heat permeability coefficient of the whole window (including double or triple glazing, depending of the window construction). ***Ug = heat permeability coefficient of the glazing (if not specified, showing Ug of triple glazing)

Technical Information on our UPVC Window and Door Range:

Our range of UPVC windows and doors are produced by the German window manufacturers Aluplast and Veka, and Austrian manufacturer Gruber. The windows are of much higher quality than the UPVC windows typically manufactured in the UK. The Aluplast UPVC window contains an internal steel frame to improve the rigidity of the frame thus preventing warping or cracking. There are eight profiles in the range depending on the performance characteristics required. An U-value in the range of 0.7 - 1.3 W/m²K can be achieved depending on the number of chambers and the glazing units specification. All of our window profiles are also available as doors, lift & slide and tilt & slide doors.

- · The windows come with steel reinforcement and anticorrosive
- · Internal and External surfaces pre finished in a large variety of colours and decorative finishes including several wood finishes
- · The overall window can achieve a U-Value in a range from Uw = 0.7 -1.3 W/m²K depending on the specification of the glass and number of chambers in the profile
- Available in 70mm, 80mm, 85mm & 90mm Profiles

- · All windows come with standard security devices plus security mushrooms to prevent forced entry from the outside, microventilation and adjustable hardware from the manufacturer Roto
- · Glazed units come in a choice of double or triple glazing with a heat transfer coefficient Ug = 0.5 - 1.1 W/m²K, with a variety of swisspacers.
- · Noise attenuation 32 52 db
- · Choose from a wide variety of ornamental glass, decorative glass or a wide variety of more specific glazing properties







UNIWIN WOODEN PROFILES



SOFTLINE 68

■ UNIWIN°

wooden 4-layer profile

single seal

frame thickness 68 mm

spruce, pine, oak, meranti, framire

 $Uf = 1,1 - 1,2 \text{ W/m}^2\text{K}^*$ $Uw = 1,0 \text{ W/m}^2\text{K}$

double gl. Ug = 1,0 W/m²K triple gl. Ug = 0,5 W/m²K



SOFTLINE 78

wooden 4-layer profile

double seal

frame thickness 78 mm

spruce, pine, oak, meranti, framire

(up to triple seal)

Uf = 0,98 - 1,1 W/m²K* Uw = 0,8 W/m²K

double/triple glazing, up to Uq = 0,5 W/m²K



SOFTLINE 92

wooden 4-layer profile

triple seal

frame thickness 92 mm

spruce, pine, oak, meranti, framire

Uf = $0.85 \text{ W/m}^2\text{K}^*$ Uw = $0.7 \text{ W/m}^2\text{K}$

double/triple glazing up to Ug = 0,5 W/m²K



SASH & CASE

wooden 4-layer profile

double seal

frame thickness 168 mm (window frame 57mm)

spruce, pine, oak, meranti, framire

Uf = 1,3 - 1,6 W/m²K* Uw = 1,0 - 1,2 W/m²K

double/triple glazing Ua = 0,7 W/m²K



WINIMIN

FLUSH CASEMENT

SH CASEMENT

wooden 4-layer profile

single seal

frame thickness 68/93/114 mm

spruce, pine, oak, meranti, framire

varialbility of hardware

Uf = 1,1 - 1,2 W/m₂K Uw = 0,88 - 1,2 W/m²K

double/triple glazing up to Ug = 0,5 W/m²K



wooden 3 - 4 layer profile

double seal

DOORS

frame thickness 68 - 78 mm

spruce, pine, oak, meranti, framire

Uf = 1,6 W/m2K* Uw = 1,2 - 1,4 W/m2K

double/triple glazing, thermal filling Ug = 0,5 - 0,8 - 1,1 W/m²K





FOLDING DOORS AND SLIDE DOORS

UNIWIN

Variety of construction

- · folding sliding glass doors (pictured)
- · sliding glass walls
- · tilt & slide doors

wooden 4-layer profile

double seal

frame thickness 68mm - 78mm

spruce, pine, oak, meranti, framine

Uf = 0,9 - 1,2 W/m²K Uw = 0,8 - 1,1 W/m²K double/triple glazing up to Ug = 0,5 W/m²K



*Uf = heat permeability coefficient of the frame (profile). The heat permeability coefficient states how much energy in Watts passes through a given material with 1 m² surface at a difference of 1 degree of Kelvin between the outer and inner temperature (in W/m²K).

Lower value means better insulation. ***Uw = heat permeability coefficient of the whole window (including double or tripple glazing, depending of the window construction). ***Ug = heat permeability coefficient of the glazing (if not specified, showing Ug of tripple glazing)

Technical Information on our Wooden Window Tilt & Turn Range:

Our Wooden Tilt & Turn windows have a dual hinge system, allowing the casement to open into the room from the side, or to open from the top. The Uniwin Tilt & Turn window is ideal in a modern setting allowing good ventilation and ease of access for cleaning. This versatile window comes in three different formats allowing for either a double or triple glazed unit depending on the thermal requirements of your project.

- · Windows and doors are available in several wood species: Spruce, Pine, Oak, Larch, Meranti
- · Internal and External surfaces pre finished in any RAL colour, stain or varnish
- \cdot The overall window can achieve a U-Value in a range from Uw = 0.7 1.2 W/m²K depending on the specification of the glass and thickness of the profile.
- · Available in 68mm, 78mm & 92mm Profiles.

- · All windows come with standard security devices plus security mushrooms to prevent forced entry from the outside, microventilation and adjustable hardware Maco Multimatic
- · Glazed units come in a choice of double or triple glazing with a heat transfer coefficient Uq = 0.5 1.1 W/m²K, with a variety of swisspacers
- · Noise attenuation 32 52 db
- · Choose from a wide variety of ornamental glass, decorative glass or a wide variety of more specific glazing properties



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UNIWIN ALUMINIUM CLADDING PROFILES



LIVINGLINE

UNILUX

rounded profile edges

double seal

frame thickness 78.4 mm

- · 203 types of wood decors
- 2132 colours of the alu casement

 $Uw = 0.9 - 1.1 W/m^2K^*$

double/triple glazing up to Ug = $0.5 \text{ W/m}^2\text{K}$



MODERNLINE

angled profile edges

double seal

frame thickness 78,4 mm

wide range of colours and wood decors

window/door height up to 3,2m

 $Uw = 0.9 - 1.1 W/m^2K^*$

double/triple glazing up to $Ug = 0.5 \text{ W/m}^2\text{K}$



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ULTRATHERM

rounded or angled profile edges

- · thermic insulation
- · triple seal

frame thickness 78.4 mm

wide range of colours and wood decors

applicable for passive houses

 $Uw = 0.7 W/m^2K^*$

double/triple glazing, up to $Ug = 0.5 \text{ W/m}^2\text{K}$



UNILUX

ALU CASEMENT

3 - 5 layer wooden profile

single seal

frame thickness 93 mm

available in range of RAL colours

 $Uf = 1.3 - 1.4 \text{ W/m}^2\text{K}^*$ $Uw = 0.8 - 1.2 \text{ W/m}^2\text{K}$

double/triple glazing, up to $Ug = 0.5 \text{ W/m}^2\text{K}$



THERMOLINE

sharp angled profile edges

triple seal

frame thickness 116 mm

available in range of RAL colours

applicable for passive houses: $\dot{U}_W = 0.7 \text{ W/m}^2\text{K}^*$

double/triple glazing, up to Ug = 0,5 W/m²K



ELEGANTLINE



double seal

frame thickness 85 mm

available in range of RAL colours

overall U value $Uw = 0.78 - 1.4 \text{ W/m}^2\text{K}^3$

double/triple glazing, up to $Ug = 0.5 \text{ W/m}^2\text{K}$



ENTRANCE DOORS

massive wooden construction

double seal

frame thickness 85 mm

wide range of colours and wood decors

three point hook locking system

 $Uw = 0.8 W/m^2K^*$

double/triple glazing up to Ug = 0,5 W/m²K

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FACADE SYSTEMS

UNILUX



double seal

wooden substructures

19 diferent shapes of wooden profiles

23 difrent shapes of aluminium cladding

double/triple glazing up to $Ug = 0.5 \text{ W/m}^2\text{K}$



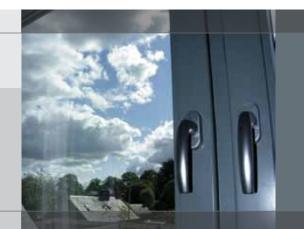
*Uf = heat permeability coefficient of the frame (profile). The heat permeability coefficient states how much energy in Watts passes through a given material with 1 m² surface at a difference of 1 degree of Kelvin between the outer and inner temperature (in W/m²K). Lower value means better insulation. **Uw = heat permeability coefficient of the whole window (including double or triple glazing, depending of the window construction). ***Ug = heat permeability coefficient of the glazing (if not specified, showing Ug of triple glazing)

Technical Information on our Alu Casement Doors and Windows:

Our range of Aluminium Clad doors and windows come in several aesthetically pleasing profiles. The timber frame on the inside adds a warmth and richness to the room while the external aluminium cladding adds durability and style to the external surface. Our versatile windows can also be tailored to suit the performance requirements of your project.

- · Windows and doors are available in several wood species: Pine, Oak, Larch, Alder, Meranti
- · Internal surfaces can come pre-finished in any RAL Colour
- · External Aluminum cladding available in any RAL colour and in several wood effect finishes and fine textured paint finishes
- · The overall window can achieve a U-Value in a range from Uw = 0.7 - 1.4 W/m²K depending on the specification of the glass and type of profile
- · Noise attenuation 32 52 dB

- · All windows come with standard security devices plus security mushrooms to prevent forced entry from the outside and adjustable hardware (profiles Livingline, Modernline and Ultratherm with hardware Roto®)
- · Glazed units come in a choice of double or triple glazing with a heat transfer coefficient Ug = 0.5 - 1.1 W/m²K, with a variety of swisspacers
- · Choose from a wide variety of ornamental glass, decorative glass or a wide variety of more specific glazing properties
- · All of our window profiles are also available as doors, folding glass doors, sliding glass walls, lift & slide and tilt & slide doors



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UNIWIN ALUMINIUM PROFILES



ALUPROF MB 70

three-chamber profile with a thermal break 34mm

double seal

- · thickness of glazing 21 – 57mm
- · sash frame thickness 79mm
- · frame thickness 70mm
- · material group RMG 1, DIN 4108

sound proof 47dB

Uf = $1.5 - 2.39 \text{ W/m}^2\text{K}^*$

double/triple glazing up to Ug = 0,5 W/m²K

shop windows, dividing walls with doors and windows



three-chamber profile with a thermal break 24mm

ALUPROF MB 60

double seal

- · thickness of glazing 14 - 50 mm
- · sash frame thickness 69mm
- · frame thickness 60mm · material group RMG 2.1/2.2, DIN 4108

 $Uf = 1.5 - 2.39 \text{ W/m}^2\text{K}^*$

double/triple glazing up to Ug = 0,5 W/m²K

shop windows, dividing walls with doors and windows



aliplast

ALUPROF

ALUPROF MB 59 S

three-chamber window and door profile with a thermal break 24mm

double seal

- · thickness of glazing
- window 4 40 mm
- door 4 31 mm
- · sash frame thickness 59mm
- frame thickness 60mm
 material group
 RMG 2.1, DIN 4108

double/triple glazing up to Ug = 0,5 W/m²K*

flush casement, pivot hardware and tilt a turn hardware

for shop windows, dividing walls with doors and windows



ALUPROF MB - W86



multi component central gasket

double seal

- thickness of glazing
- can use any type of glazing, anti burglary glazing
- sash frame thickness 86mm
- · frame thickness 77 mm

material group RMG 1 EN 12207, 12208, 12210

 $Uf = 0.5 W/m^2K^*$

double/triple glazing up to Ug= 0.5 W/m²K

- · concealed hinges, tilt a turn hardware, etc.
- for large, wire-free glass areas, dividing walls with doors&windows, shop windows



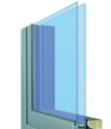
ALIPLAST SUPERIAL

- three-chamber window & door profile with a
- thermal break 34mm
 · additional 3-chambers
 on thermal break
- · double seal
- · thickness of glazing up to 61 mm
- · window frame thickness
- · door frame thickness 75mm
- · material group RMG1, DIN 4108

 $Uf = 1.8 W/m^2k^*$

double/triple glazing up to Ug = 0,5 W/m²K

shop windows, dividing walls with doors, side hung, tilt and turn windows



aliplast

ALIPLAST IMPERIAL



- door profile with a thermal break 24mm
- · double seal
- thickness of glazing up to 51mm
- · frame thickness 65mm
- flush single or double sash doors, a lot of window types
 material group
- · material group RMG 2.1, DIN 4108

double /triple glazing up to Ug = 0,5 W/m²K

shop windows, dividing walls with doors, tiltand turn windows



*Uf = heat permeability coefficient of the frame (profile). The heat permeability coefficient states how much energy in Watts passes through a given material with 1 m² surface at a difference of 1 degree of Kelvin between the outer and inner temperature (in W/m²K). Lower value means better insulation. ***Uw = heat permeability coefficient of the whole window (including double or triple glazing, depending of the window construction). ***Ug = heat permeability coefficient of the glazing (if not specified, showing Ug of triple glazing).









Technical Information on our Aluminium Doors and Windows

We offer high quality aluminum windows and doors with an aesthetically pleasing modern profile. The Uniwin Aluprof Systems is extremely hard wearing with the powder coated aluminium providing durability and style.

- · Aluminium windows and door available in profile sizes 45 78 mm with thermal break and a non-stop heat bridge
- · We can manufacture internal partitions and walls
- · Large variety of colored frames and wing surfaces, including wood effect finishes
- · Peripheral hardware brands with standard security protection against faulty manipulation, the openable windows are fitted with micro ventilation
- All windows come with standard security devices plus security mushrooms to prevent forced entry from the outside and adjustable hadware
- · Glazed units come in a choice of double or triple glazing with a heat transfer coefficient Ug = $0.5 1.1 \text{ W/m}^2\text{K}$, with variety of swisspacers
- · Noise attenuation 32 52 dB
- · Choose from a wide variety of ornamental glass, decorative glass or a wide variety of more specific glazing properties
- · All of our window profiles are also available as doors, folding glass doors, sliding glass walls, lift & slide and tilt & slide doors

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SOLARA ROOF WINDOWS

perfectly dried solid wood

double seal

- sash frame thickness 43mm
- window frame thickness 25mm + thermal insulation

pine, oak, alder, beech painting clear varnish, RAL colours

outside plated with Aluminium RAL 8019 or Cu, TiZn, Reinzink

 $Uw = 0.9 - 0.5 W/m^2K$ (passiv roof window)

double/triple glazing up to Ug = 0,5 Wm²K



VELUX ROOF WINDOWS

- two layer timber profile
- GGU two layer profile with polyurethane coat

triple seal

- sash frame thickness 70mm
- window frame thickness 100mm
- painting clear varnish, RAL colours
- outside plated with aluminium RAL 7043. Cu, TiZn,

 $Uw = 1.4 - 0.7 W/m^2K$

double/triple glazing up to $Ug = 0.5 \text{ Wm}^2\text{K}$





SOLARA: LOW ENERGETIC, ECO-WISE & BEAUTIFUL ROOF GLAZING

We design > produce > install wooden roof glazings, roof windows, roof balconies and exits. The company was founded in 1988 and the experience compiled gives us the credit to offer effective and attractive roof glazing solutions. We cooperate closely with architects, project managers, designers and builders.

VELUX has supplied high-quality roof windows for over 60 years. With product features that are second-to-none, you'll enjoy the ideal combination of lots of daylight, fresh air and a clear view creating the perfect environment for your home.

Adding natural light can have a positive impact on the value and feel of your home, so by combining these windows together you can create a dramatic visual impact which will transform your home with daylight alone.

HÖRMANN GARAGE DOORS

galvanized and polyester coated metal or solidwooden panels

4 seals each side one, LPU 40 additional seal on each section

a lot of variations of selected materials and styles

panel thickness up to 42 mm

insulated metal or solid wooden panel

three types of metal surface: woodgrain, silkgrain, micrograin

- · 200 colours from RAL colour · 6 different wood decors

maximum wide 6.5m

U value of panels: Uf = 2,5 up to 0,5 W/m²K

sound proof up to 22dB





Every HÖRMANN door produced is the result of more than 50-years experience in the building of garage doors. Quality and safety, aesthetics and convenience, and of course engineering excellence, is why Hörmann is Europe's No. 1 manufacturer of garage doors. And the wide variety of styles means you're sure to find the perfect door to complement your home. Everything speaks in favour of the original!

UPVC / ALUMINIUM WINDOWS

five-chamber profile

triple seal

frame thickness 76 mm

Uf = 1.2 W/m2K*

Uw = 0.85 W/m2K(with glazing Ug = 0,5 W/m2K)

double glazing/ triple glazing up to Ug = 0.5 W/m2K

Get extra protection with our range of profiles combining the affordability of UPVC and durability and look of the aluminium clading.







UNILUX





WINDOW SILLS





Exterior Sills

- Sill Depth from 50 to 400 mm
- Sill Length 6000 mm (max)
- · Sill thickness 1.5mm 2.6mm
- · Accessories: plastic side caps, angled connectors, straight connectors

· Made from steel or aluminium

Interior Sills

- · Solid wood
- UPVC
- · Chipboard with wooden decor finish or natural veneer finish
- · Sill Depth from 150 to 600 mm
- · Sill Length 4050 mm (max)
- Sill thickness 17mm 20mm



Our external sills can be supplied in a range of colours in order to match your window frames and can be supplied in widths up to 400mm to suit almost any wall construction.

Our internal sills can also be finished in a variety of different colour in order to compliment the internal decoration of your room.

HOPPE DOOR AND WINDOW HANDLES

15 YEARS ON THE MARKET, 5000 CLIENTS A YEAR

SECUSTIK System® on window handles

- · patented locking mechanism
- · prevents unauthorised manipulation
- prevents forced entry from outside

DOOR HANDLES

- HOPPE quick-fit connection
- 10-year operational guarantee
- · variety of designs, constructions and materials
- · domestic or commercial use



Official Police Security Initiative



Founded in 1988 HOPPE (UK) Ltd is now recognised as market leader in the field of door and window hardware where the HOPPE product is highly respected for its quality, innovation and performance.

Performance requirements, compliance with applicable regulations, short production cycles and, in particular responsiveness to customers is at the heart of the HOPPE brand.

For people who want beauty in their home HOPPE is the leading European brand of door and window handles. HOPPE products are of superior quality but at a price that's fair. With a wide range of styles to suit all tastes you will find the perfect handle to compliment your windows and



UNIWIN MANUAL AND POWERED BLINDS





- · min. width 40 cm
- · Max. height 220 cm
- · min. height 30 cm
- · Max. guaranteed area 2.5 m2



Our internal aluminium blinds range includes the 'Energy Blind'. This solar powered blind utilises the power of the sun to open and close the blind. There is no need for wires as the solar panel and motor are integrated into the blind.

The blinds are available in a number of colour and wood finish options and fit most standard window sizes. The blinds can also come with a standard manual pull cord and fit neatly inside the window frame for an aesthetically pleasing look.

AEROMAT VENTS





With the best insulation properties the AEROMAT100 fan provides fresh air without the burden of allowing the external noise into the building.

The 100 AEROMAT can be used for both passive and active ventilation. The cleverly designed vent uses differences in pressure to allow it to open and close. The vent can also be manually adjusted. With high performance insulating properties AEROMAT 100 provides enough ventilation while preventing the ingress of sound. The vent is ideally suited to living rooms, hotels and offices.

INSECT SCREENS





Insect screens can be a useful addition to windows in areas prone to high levels of insect activity such as the West Coast of Scotland. The insect screen can be easily fitted to any existing window and allows the user to keep the window open while preventing the ingress of











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