

The lift and slide door

Lift. Slide. Open.

QuinLine®



How the QuinLine® lift and slide door system dissolve the boundary between inside and outside

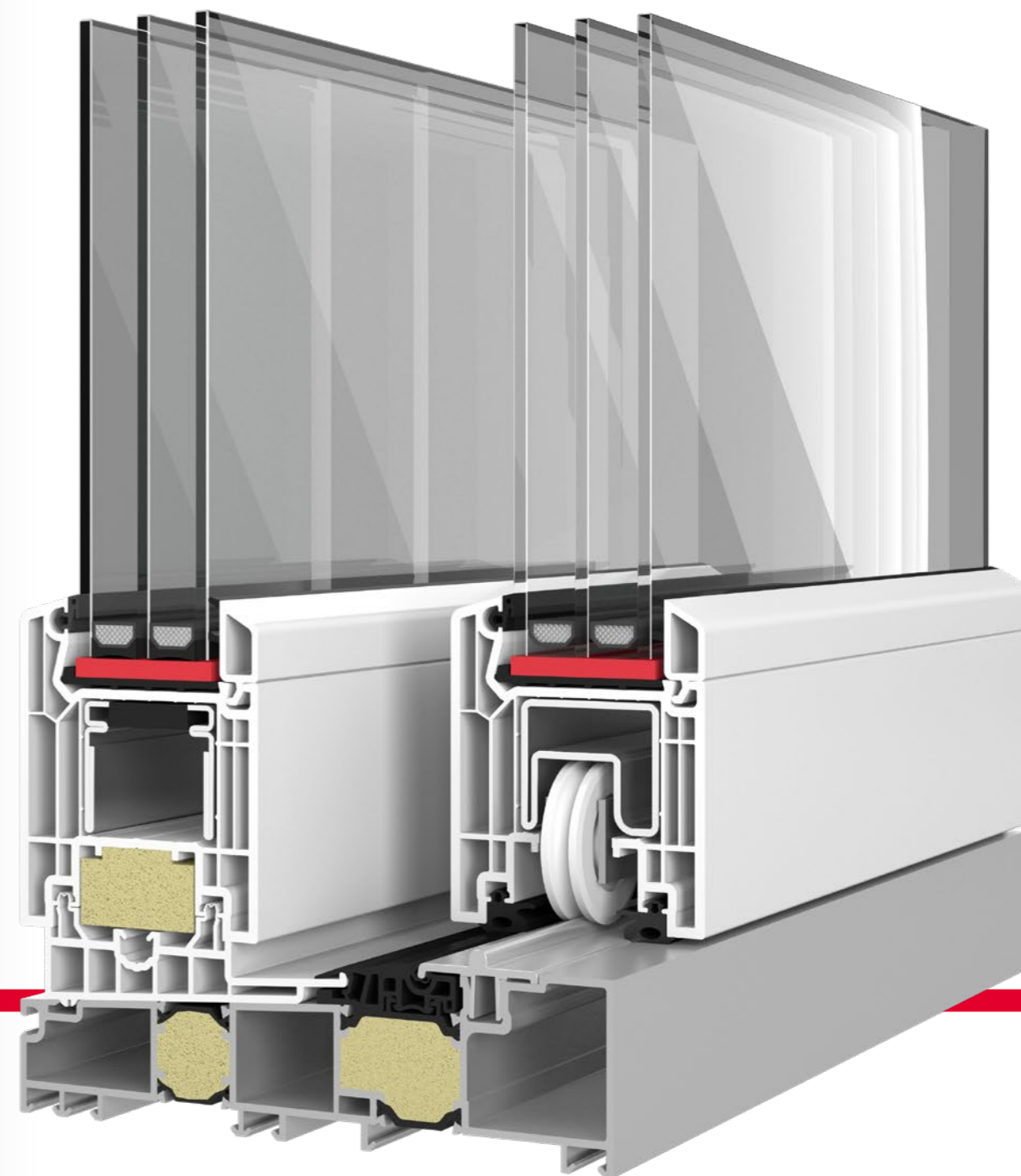
More than just a profile system: The lift and slide door

The QuinLine® lift and slide door is the ideal connecting element between your living space and the outdoors. These large-scale elements are designed to create a bright atmosphere and bring daylight into your home. Lift and slide doors are also a space-saving solution, as no bothersome door leaves protrude into the room.

The QuinLine® lift and slide door is custom-built for you in the size and colour of your choice and with optional extra features. They are based on a self-supporting profile system with well-enginee-

red security technology, excellent sound insulation and thermal protection that even meets passive house requirements. Our aluminium threshold solutions not only simplify renovation projects, but are also perfect for barrier-free living spaces. The concealed eVOMATIC® electromotor drive is smart-home-capable for additional convenience.

The QuinLine® lift and slide door system will open all doors for you.



Low threshold



Aluminium, barrier-free, flat threshold solutions



Customisable in design and function



Sound insulation up to 44 dB



Smart-home-capable, e.g. open at the touch of a button thanks to concealed electromotor drive



Outstanding protection against driving rain with increased wind load



Safety class of RC 1 N to RC 3 verified by ift Rosenheim



Up to 7 m wide depending on design



Suitable for passive-house/low-energy buildings: Thermally separated aluminium thresholds and reinforced frames for excellent heat insulation properties

Endless possibilities

The QuinLine® lift and slide door can be used in countless applications from patio and balcony doors to conservatories and that in family homes and commercial properties alike.

Choose from a huge variety of system features to give your facade a highly distinctive touch. As with windows, integrated sash bars or fanlights are also possible, for example.



Patio



Balcony



Conservatory



How a family home in the Detmold district of Hiddesen passed from grandmother to grandson



Anyone building a house would love for it to be home to as many future generations as possible. L. Kerkmann and his family inherited their home, but the house, originally built in 1939, first had to be renovated and refurbished. And all with the trustworthy agreement of his grandmother.

Mr Kerkmann, instead of building a new home, you converted your grandmother's home. How did that happen?

The house actually dates back to my great-grandparents, who built it in 1939. It was one of the first homes on Nullbrede street here in Hiddesen. My grandparents also lived here with my great-grandparents and afterwards with their own children, including my father. They too carried out some renovations. And now we wanted to preserve the house.

But your grandmother was still living there?

Yes, but she moved into an assisted living facility during the conversion. That wasn't difficult for her at all, which surprised me. She gave us completely free rein for the conversion.

What are the main changes you've made to the house?

We started by tearing down the annex, which was previously used for keeping small animals and later, as a corridor to the garden and as a bathroom. We wanted to establish our new main centre of life here: an open-plan kitchen/living room with plenty of light and access to the garden. We also moved the walls in the old part of the house. While gutting the house, we realised that we had basically restored the old room layout from 1939.

Then your main reason for deciding to install two QuinLine® lift and slide doors was to let in as much light as possible?

Yes, that was one main reason. Of course, they also provide easy access to the garden. Even our six-year-old can already open the doors. And in summer, we actually use the external venetian blind elements. The light is great in winter as the heat of the sun also helps to save energy. Our favourite spot is right next to one of the lift and slide doors. We love reading in our armchair.

Did your grandmother move back in with you when you moved in in April 2022? What did she say about the conversion?

Yes, she moved back in with us, as planned. She even recognised the old room layout from 1939 and thought we had done a good job with the conversion. That was really quite important to us. She was also here with us when we celebrated the first Christmas after renovating. Unfortunately, she passed away at the age of 91 at the start of 2023.

It must be a great comfort that she gave her blessing for the conversion.

For sure. Generations don't always agree on these things. I'm glad she liked it.

Thank you for giving us an insight into your unique home.



A successful conversion!

Step by step to the perfect lift and slide door

- Sizes
- Types
- Thresholds
- Look and design
- Thermal insulation
- Burglary protection
- Special equipment
- Electric drive
eVOMATIC®

Two construction depths, one basis – the 5-chamber QuinLine® profile system is an autonomous system that is only used to construct the QuinLine® 74 and QuinLine® 84. Technically thought through down to the last detail, it offers a range of different possibilities for refurbishment projects and new builds alike. Maximum convenience and energy efficiency with heat insulation values that are even compatible with passive house requirements – The QuinLine® lift and slide door is built entirely according to your wishes and to suit your framework conditions. You decide every step of the way.



Our system shows size



Sizes

The QuinLine® lift and slide door is the perfect frame for an unobstructed view. They can have a huge impact in small and large spaces alike. The QuinLine® 74 and 84 door can be made as a single element up to 7 m wide without losing any of their ease of operation. This, in particular, improves the tightness of the door.

QuinLine® 74

Height
Up to 2.50 m

Width
Up to 7 m

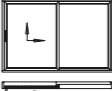
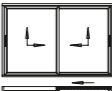


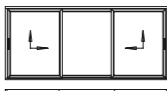
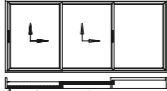

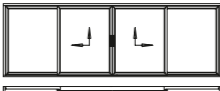
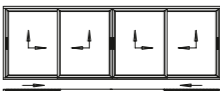
QuinLine® 84

Height
White up to 2.80 m
Colour up to 2.70 m

Width
Up to 7 m

Types

The wide variety of lift and slide door versions extends from 2-part systems to 4-part systems. Different opening variants are possible depending on the product, e. g. one or two sliding doors opening to the right or left. But they all have one thing in common – they save space.

	QuinLine® 74	QuinLine® 84
 2-part scheme A	X	X
 2-part scheme D	X	X
 3-part scheme G, symmetrical	X	X
 3-part scheme G, asymmetrical	X	X
 3-part scheme K	X	X
 3-track scheme E	X	
 3-part scheme A	X	X
 4-part scheme C	X	X
 4-part scheme F	X	X

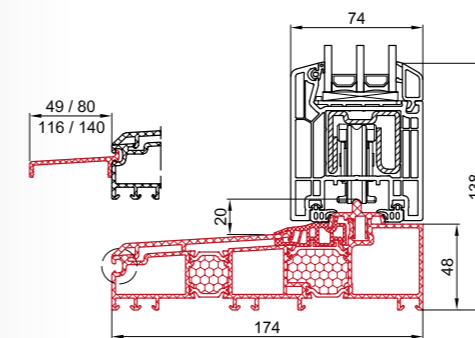
Further variants on request

The threshold makes all the difference

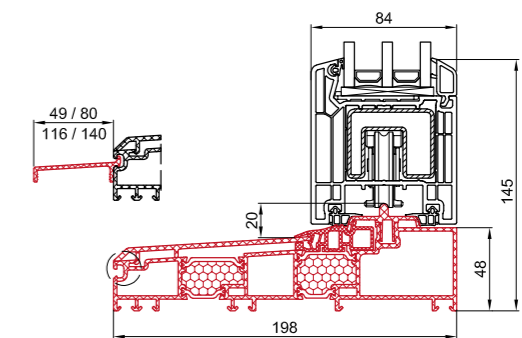


Thresholds

	QuinLine® 74			QuinLine® 84		
	Anodised silver E6/EV1	Anodised black E6/C35	Building depth	Anodised silver E6/EV1	Anodised black E6/C35	Building depth
Standard threshold	X	X	174 mm	X		198 mm
Low threshold	X		174 mm	X		198 mm
Renovation threshold	X		140/174 mm			
Standard threshold with external stop	X		174 mm	X		198 mm
Low threshold with external stop	X		174 mm	X		198 mm
Threshold cover profile 0° with compensation profile	X			X		
Aluminium facing threshold 49 mm	X			X		
Aluminium facing threshold 80 mm	X	X		X		
Aluminium facing threshold 116 mm	X			X		
Aluminium facing threshold 140 mm	X			X		



Standard threshold QuinLine® 74
 | 5-chamber profile; building depth 174 mm; profile view 48 mm
 | Aluminium threshold with duothermal separation
 | Barrier-free design in line with DIN 18040 possible on site
 | Optional aluminium facing threshold with 49, 80, 116 or 140 mm projection



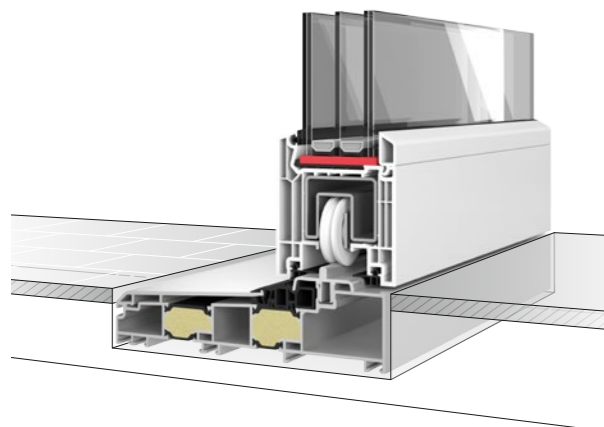
Standard threshold QuinLine® 84
 | 5-chamber profile; building depth 198 mm; profile view 48 mm
 | Aluminium threshold with duothermal separation
 | Barrier-free design in line with DIN 18040 possible on site
 | Optional aluminium facing threshold with 49, 80, 116 or 140 mm projection

The world of thresholds

Standard threshold

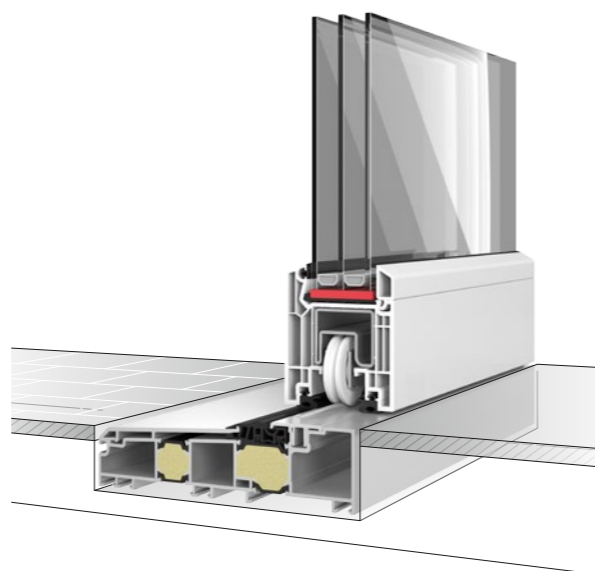
The standard aluminium threshold forms the basis of our threshold solutions.

- | High shifting resistance thanks to duo-thermal separation
- | Long-lasting stability
- | Improved thermal insulation due to insulating rods with polyurethane foam
- | Optional aluminium facing threshold with 49, 80, 116 or 140 mm projection



Low threshold

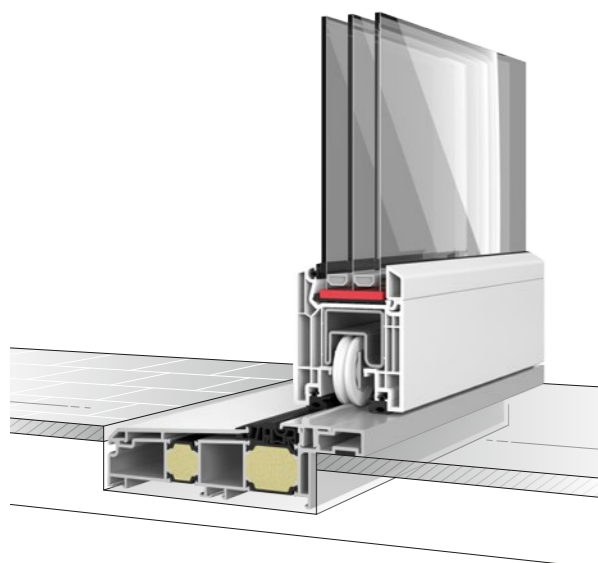
- | "Barrier-free" threshold design in line with DIN 18040 possible on site
- | Reduces the height difference to only 4.5 mm from the highest point of the running rail to the level of the finished floor



Renovation threshold

The renovation threshold makes it easier to replace old lift and slide doors during renovation work.

- | No need to mill out screed
- | Building depth from 140/174 mm
- | Clip-on feet allow expansion profiles to be used to compensate the height of existing floor structures
- | Only available for QuinLine® 74



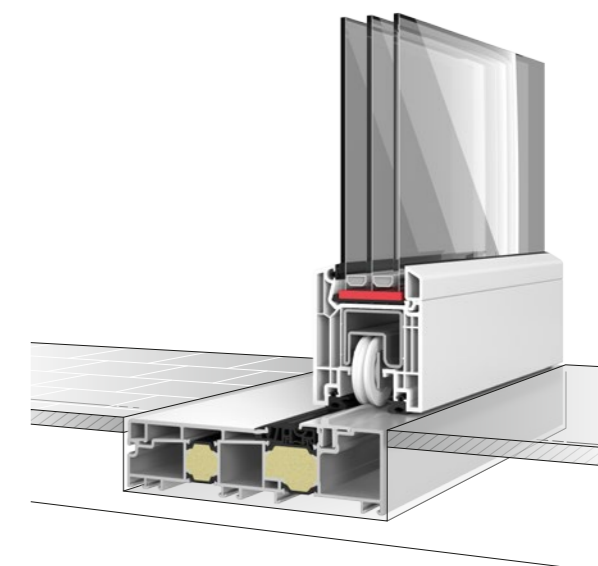
Standard threshold with external stop

The aluminium floor threshold has duo-thermal separation and an external stop. It meets all requirements for floor-to-ceiling door elements with flat thresholds.

- | Basic threshold body with external profile flange in aluminium
- | 50 mm high connection surface made of aluminium, without material change and without profile joint – enables professional sealing with liquid plastic
- | Continuous load transfer in combination with a thermally insulated, rot-proof base profile

Low threshold with threshold cover profile 0°

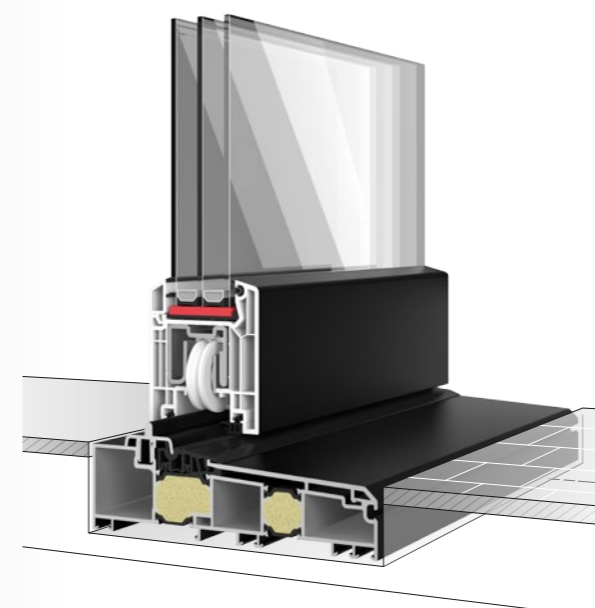
- | "Barrier-free" threshold design in line with DIN 18040 possible on site
- | Reduces the height difference to only 4.5 mm from the highest point of the running rail to the level of the finished floor
- | Threshold cover profile 0° creates a harmonious transition from outside to inside



Black threshold in anodised E6/C35

Perfectly consistent look for ambitious interior designs.

- | Tried-and-tested function of the aluminium standard threshold
- | Available for QuinLine® 74 lift and slide door systems with standard threshold



The 0° threshold cover profile can be retrofitted on all thresholds except the black threshold.

Look and design in detail



Surfaces

Nothing changes the look of a building like colours. Let your design ideas run free with the lift and slide door. Choose the right shade from our range of colours to suit your individual home.

- | Whether colour film or aluminium facing threshold, all of our surfaces are robust and easy-care and give your lift and slide door an upscale finish
- | High-performance quality film: colourfast, weatherproof and durable
- | Profiled basic surfaces are also concealed by film on both sides even when the sliding doors are open



Weather-resistant and UV-resistant plastic



Other colours on request

Groove



45° angle
| Shadow groove 3 mm



45° angle
| V groove 1 mm



Blunt
| Aluminium facing shell

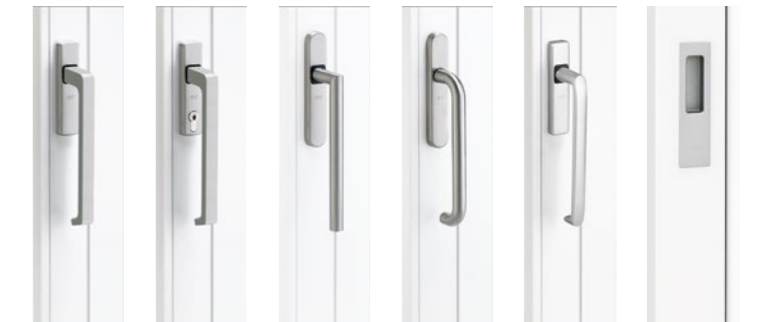


Fittings

Turn handles complete the consistent, premium look. The choice is yours when it comes to fittings. Choose between our Dirigent, Rondo, Belcanto or lockable handles.

QuinLine® turn handles are also available to match QuinLine® lift and slide door systems. Naturally, the turn handle fittings are available in different colours. Turn handles can also be used instead of handle shell on the outdoor side.

Handle fittings



Dirigent

Dirigent with profile cylinder*

Belcanto

Rondo

QuinLine®

Handle shell (only outside)

Colours**



White



E6/EV1 Anodised



Cream white



Brown



Black



Stainless steel



Titanium finish F9

“Barrier-free” opening

The following components ensure you meet the general conditions for successful implementation of a “barrier-free” living space:

- | Rondo (L = 400 mm) stainless steel extended turn handle – easy to operate
- | Accessible drive with handle 847 mm high (from the bottom edge of the sliding door to the middle of the handle)

* Profile cylinders are also available for other models.

** The colours of the products shown in this publication may deviate from the original due to production processes. Not all turn handle fittings are available in all colours. Subject to changes and errors.

Thermal insulation and glass thicknesses

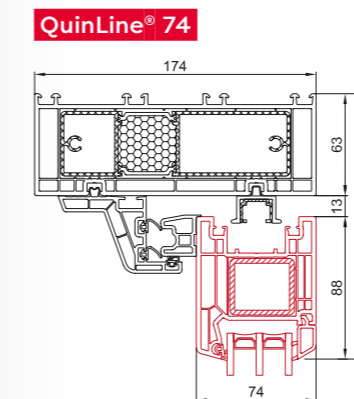
Thermal transmission values U_w values

QuinLine® 74	U_f value [W/(m ² K)]	Glazing / U_g value * [W/(m ² K)]						
		1.1	1.0	0.9	0.8	0.7	0.6	0.5
Aluminium edge bond	1.5	1.3	1.2	1.2	1.1	1.0	0.94	0.87
Thermal edge bond		1.3	1.2	1.1	1.0	0.96	0.89	0.82

QuinLine® 84	U_f value [W/(m ² K)]	Glazing / U_g value * [W/(m ² K)]							
		1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4
Aluminium edge bond	1.5	1.3	1.2	1.1	1.1	0.98	0.91	0.83	0.76
Thermal edge bond		1.2	1.1	1.1	1.0	0.93	0.85	0.78	0.71

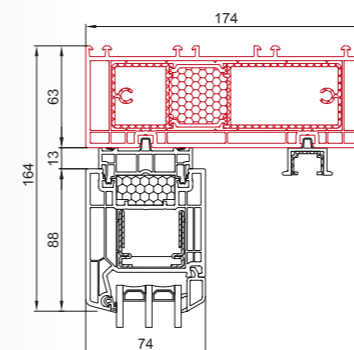
Calculation according to EN ISO 10077
 2-part door; $W \times H = 3.00 \times 2.20$ m;
 $A_{\text{total}} = 6.6$ m²
 * = U_g value according to EN 673, EN 674
 The values specified may deviated depending on the make of the edge bond.

System properties for mounting glass of different thicknesses



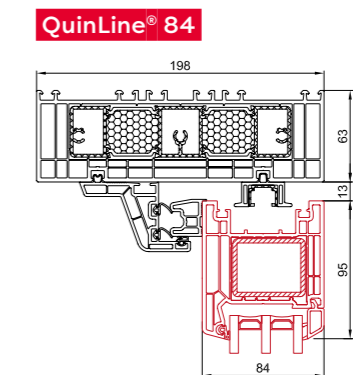
Sash

- | 5-chamber profile; structural depth 74 mm; profile view 8 mm
- | Glass up to 46 mm thick
- | 3 sealing levels in the upper sliding sash area
- | Thermally separated steel reinforcement in the fixed sash



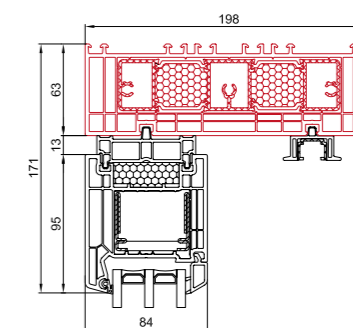
Frame

- | Building depth 174 mm; profile view 63 mm
- | Thermal separation of aluminium reinforcement
- | Force-fitting corner connection using two screw channels
- | Secure fastening of additional profiles on the exterior side



Sash

- | 5-chamber profile; structural depth 84 mm; profile view 95 mm
- | Glass up to 56 mm thick
- | 3 sealing levels in the upper sliding sash area
- | Thermally separated steel reinforcement in the fixed sash

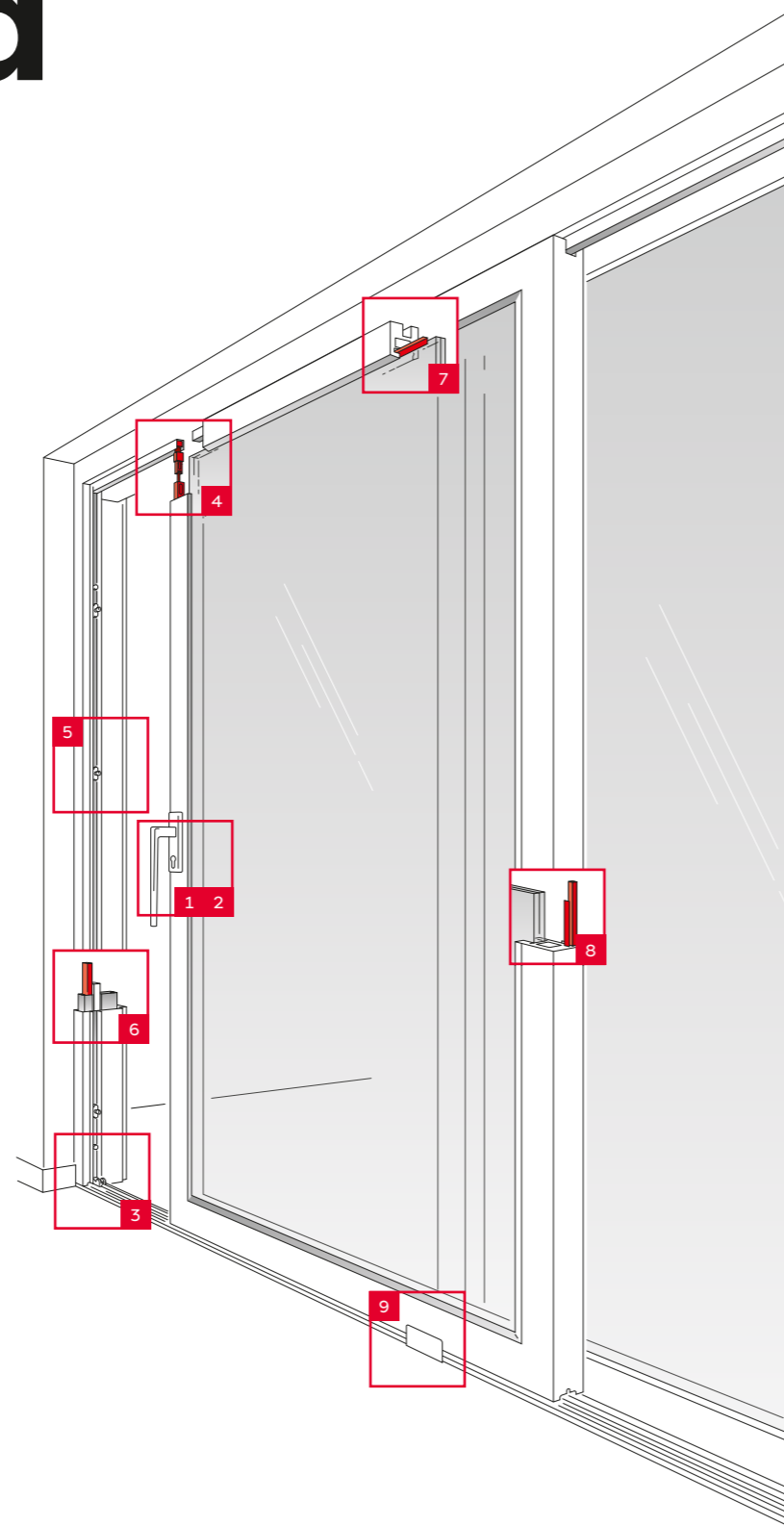


Frame

- | 5-chamber profile; building depth 198 mm; profile view 63 mm
- | Duothermal separation of aluminium reinforcement
- | Force-fitting corner connection using three screw channels
- | Secure fastening of additional profiles on the exterior side





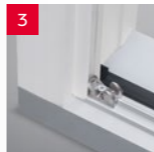

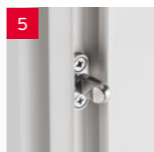
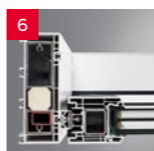



All-round certified security



With the right security technology, you can make life difficult for uninvited guests, as most attempted break-ins are thwarted if the culprits can't get in quickly. So it is definitely worth investing in burglary resistant measures.

The QuinLine® lift and slide door does not compromise on security. From the two-part to the four-part variant, all types of the lift and slide door are tested and certified from RC 1 N to RC 3 and according to DIN EN 1627 depending on the design and without any size restrictions. So the burglary protection for QuinLine® 84 series doors extends up to 7 m wide and 2.80 m high.

Security packages

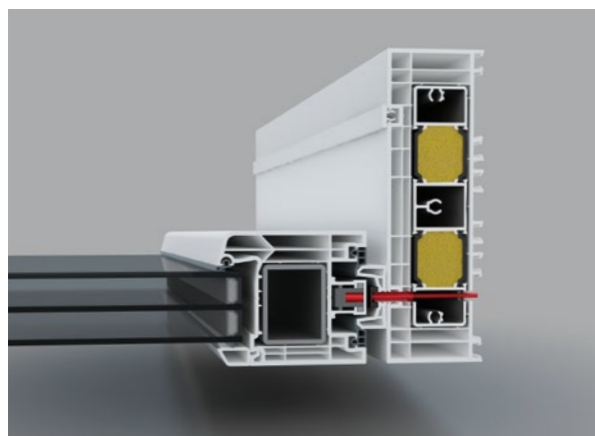
	Package 1 RC 1 N	Package 2 RC 2/RC 2 N	Package 3 RC 3
 1 Lockable turn handle Prevents unauthorised use of the lift and slide door.	x	x	x
 2 Drilling protection Makes it difficult to destroy the locking mechanism.	x	x	x
 3 Transom buck Acts as levering protection on the lower handle-side sash corner.	x	x	x
 4 Anti-lowering device Prevents lifting or levering of the sliding sash.	x	x	x
 5 Third locking bolt Thwarts malicious opening with an additional locking point.		x	x
 6 Additional reinforcements in the frame Significantly increases the pull-out forces of the mounting screws.		x	x
 7 Secured glass Using glass retention brackets or glass edge bonding.		x	x
 8 Additional reinforcements in the centre section Additionally increase stability.			x
 9 Bolted steel brackets On the floor threshold to protect against burglary attempts with a crowbar on the centre kick.			x

Display: shows standard drive with locking bolt
Further security components can be found on the next page.

A further plus: our special equipment

The QuinLine® lift and slide door gives you a perfectly coordinated overall system for your construction project. We offer additional options for custom needs that go beyond the general versions to boost your living comfort.

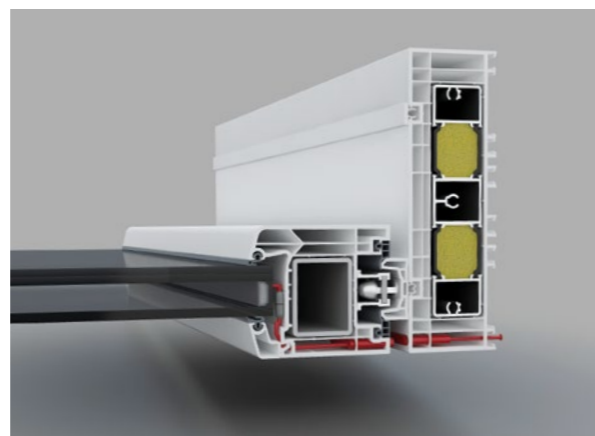
Special equipment



Magnet switch

Modern security modules like the magnet switch prevent uninvited guests from entering your building.

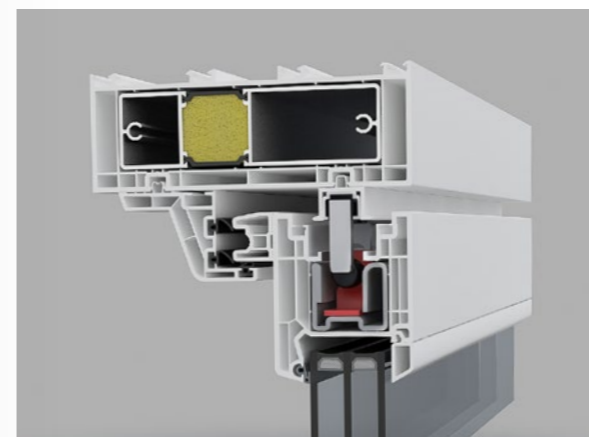
- | Contactless lock monitoring of the sliding sash
- | Class C VdS certificate for burglary detection systems
- | Factory integration available on request or as a simple retrofit kit
- | Not visible from outside when closed
- | Can be integrated into smart home technology



Electronic transition contact

You can substantially improve your personal security through the electronic monitoring of glass elements in your lift and slide doors.

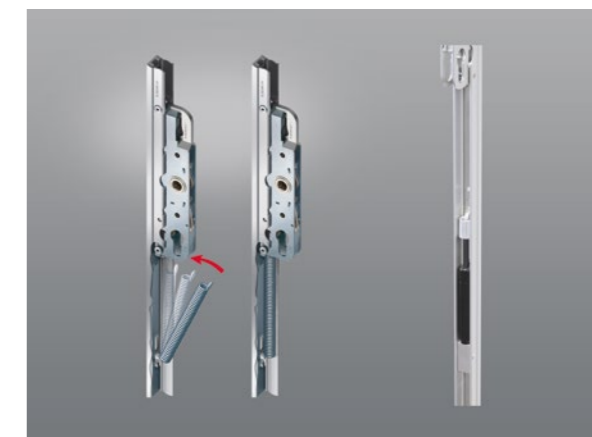
- | Contactless connection of glass breakage sensors (without cable junctions) and alarm glass to an intrusion alarm panel
- | Inductive signal and energy transmission
- | Transmitters with 6-pin cable and receiver are integrated into the profile construction



Soft stop – Stop damper

Our stop damper sets new standards for maximum user safety when mechanically opening and closing the lift and slide door.

- | Innovative stop damper integrated into the profile
- | Can be used from a total sash weight of 100 and up to 400 kg
- | Securely decelerates and stops the sliding sash before reaching the end position
- | Intuitive operation and ready to use
- | Quiet and maintenance-free
- | Prevents structural damage and lowers risk of pinching



Comfort package

The comfort package includes tension springs and drive dampers that help to make the lift and slide doors especially easy to open and close.

- | Tension springs for noticeable reduction of operating forces when opening
- | Drive dampers for controlled lowering of the sliding sash in a gentle, fluid movement
- | Recommended from a total sash weight of 200 kg



Hook-bolt drive

As an alternative to the conventional bolt drive, the hook-bolt drive entirely eliminates latch bolts in the passage area of lift and slide doors.

- | No more latch bolts: no more getting snagged
- | The conical hook pulls the sash into the required position
- | Contact pressure can be controlled directly on the closing section: compensates for height differences
- | Hook-bolt drive can be used up to RC 2 safety requirements

Maximum comfort at the touch of a button



The eVOMATIC® automatic drive improves both the function and design of the QuinLine® 84 system. The optional drive technology is integrated invisibly into the profile structure and can be installed easily, safely and quickly. The eVOMATIC® function can optionally be controlled from an intuitive control element on the sliding sash or a remote control. This modern technology allows the lift and slide door to be opened and closed virtually silently and smoothly at the touch of a button.

eVOMATIC® QuinLine® 84

Overview of benefits

- | Concealed electromotor drive
- | Automatic opening and closing at the touch of a button
- | Simple operation with one button or optional remote control
- | Reliable thanks to continuous power supply
- | Easy to set up and safe overload cut-off
- | Can be integrated into smart home technology for convenient control and monitoring via smartphone, tablet or PC

Control panel colour



White

EV1
Anodised

Open



Stop



Close

Features

Power supply unit

- | Power supply in frame with 24V current transformer
- | Factory-fitted mains connection cable with Euro plug for initial commissioning
- | Connect to the 230 V power grid: either flush-mounted or surface-mounted

Electricity supply

- | Continuous power supply through integrated power cable in the guide rail
- | Reliable operation thanks to two 12 V batteries in the sliding sash
- | Sliding sash can remain open for an unlimited time without losing power
- | Fully functional in the event of a power outage

Drive unit and controller

- | Lift drive integrated into the profile in the lower area of the sash
- | Concealed slide drive in the top area of the centre kick area
- | Intelligent controller with overload cut-off
- | Total sash weights of up to 400 kg feasible
- | Emergency unlocking possible
- | Sliding sash stops approx. 200 mm into the passage area (pinch protection)

QuinLine® in comparison

		QuinLine® 74	QuinLine® 84
Size Page 14-15	Height	Up to 2.50 m	Up to 2.70 m/2.80 m
	Width	Up to 7 m > 7 m on request	Up to 7 m > 7 m on request
Types Page 14-15		2-part to 4-part	2-part to 4-part (design E not possible with 3 parts)
Thresholds Page 16-19	Standard threshold	x	x
	Standard threshold in black	x	
	Low threshold	x	x
	Renovation threshold	x	
	Standard threshold with external stop	x	x
	Low threshold with external stop	x	x
	Threshold cover profile 0°	x	x
Look and design Page 20-21	Decorative film colour	Custom	Custom
	Aluminium cover shell colour	Custom	Custom
Handles Various colours possible Page 20-21	Dirigent	x	x
	Dirigent with profile cylinder	x	x
	Rondo	x	x
	Belcanto	x	x
	QuinLine®	x	x
Thermal and sound insulation Page 22-23	Thermal transmission values U _w value	Low-energy-building efficiency U _w up to 0,82 W/(m²K)	Passive-house-compatible U _w up to 0,71 W/(m²K)
	Sound insulation	Up to 44 db	Up to 44 db
Burglary protection with standard drive Page 24-25	Security package RC 1 N	x	x
	Security package RC 2/RC 2 N	x	x
	Security package RC 3	x	x
Special equipment Page 26-29	Magnet switch	x	x
	Electronic transition contact	x	x
	Soft stop	x	x
	Comfort package	x	x
	Hook-bolt drive	x	x
	eVOMATIC®		x



Our QuinLine® lift and slide doors are custom quality products that we adapt individually to suit your building project.

