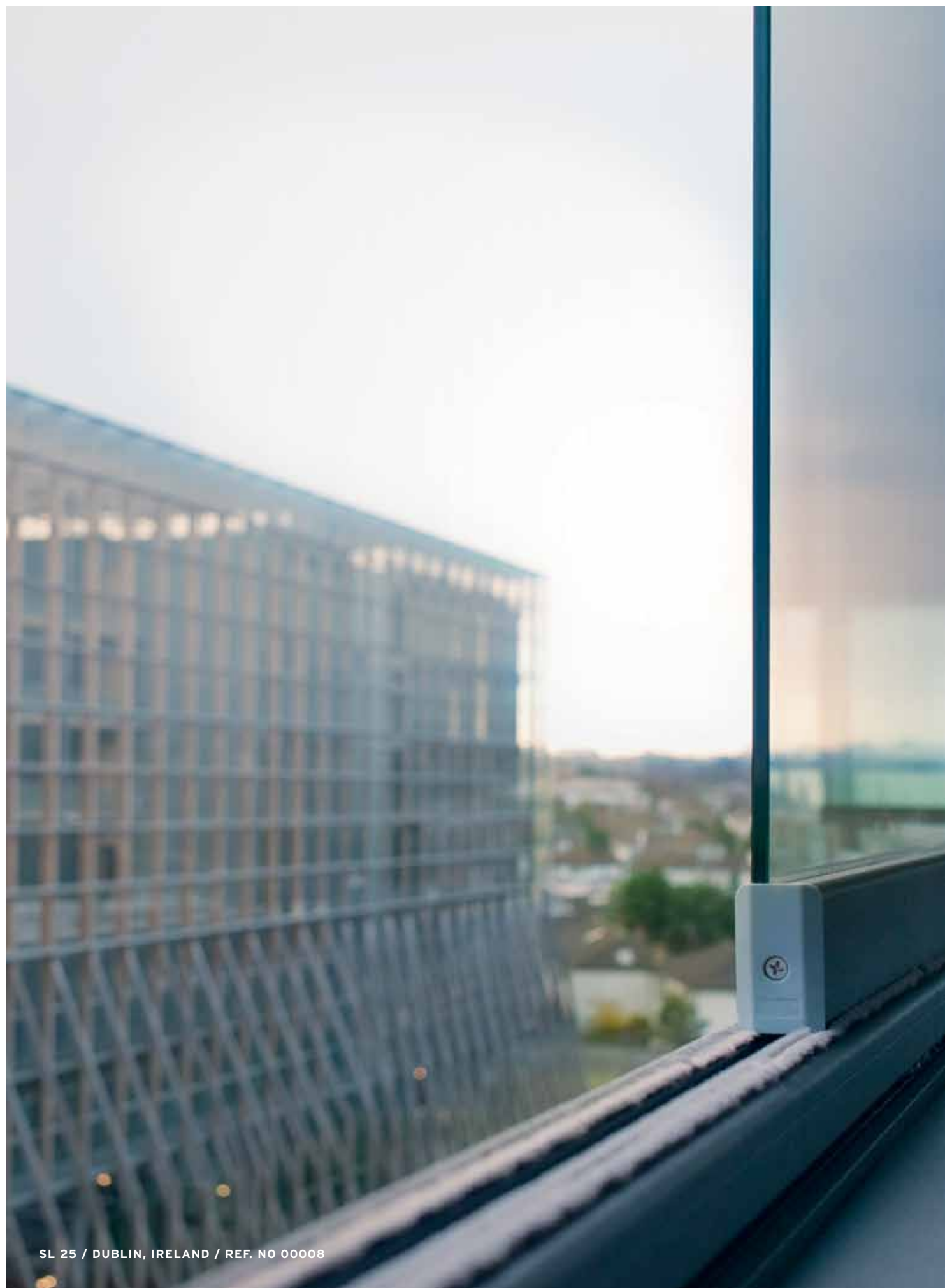




URBAN

GLASS BALCONY AND FACADE SOLUTIONS



SL 25 / DUBLIN, IRELAND / REF. NO 00008



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SL 25 / DUBLIN, IRELAND / REF. NO 00008

COMFORTABLE LIVING SPACE

Balcony glazing as an optimal solution

Urban living is more popular than ever. Finding spaces for new apartment developments and keeping existing apartments attractive in noisy areas present new challenges for investors and landlords alike. As a result, sound insulation often takes top priority when it comes to both renovations and new construction projects. The desire to extend a living space without giving up the balcony, weather protection and energetic aspects also affect planning.



Durable, low-maintenance and needs-oriented Solarlux balcony glazing – either the thermally insulated or non-insulated version – meet the expectations for a modern and easily rentable living space. The use of flexible glazing solutions creates high-quality, relaxing apartments. The property can permanently stand up to the prevailing competitive conditions – particularly in attractive, urban locations.



THE *benefits* OF THE SOLARLUX SYSTEM

UPGRADE YOUR PROPERTY
AND LIVING SPACE

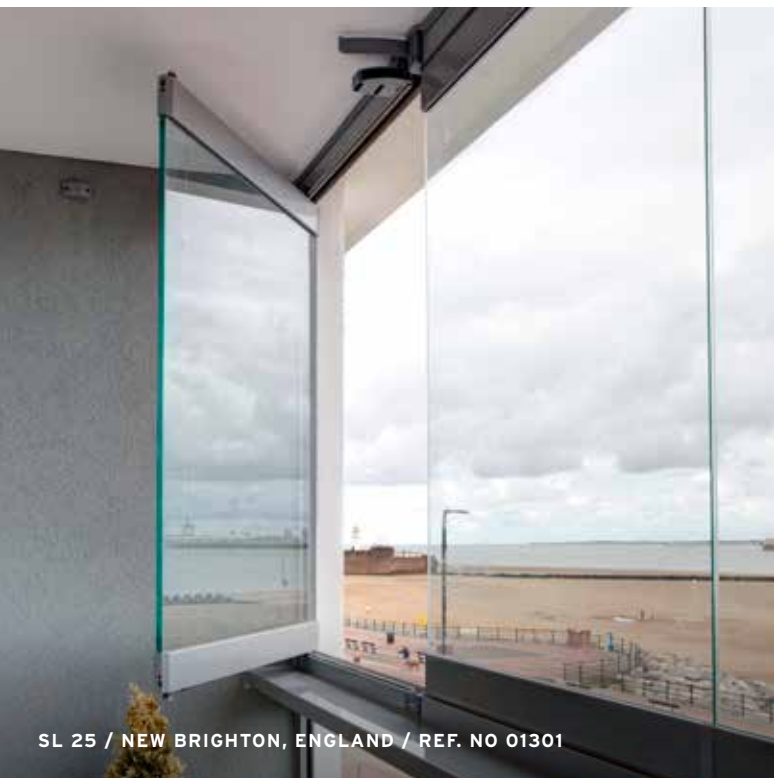
PROTECTED BALCONIES

Worthwhile investment for greater attractiveness

An open view to the outdoors, light-flooded living rooms and a virtually year-round usable space: glazed balconies are high on the wish list for tenants and buyers alike. Optimal sound insulation, perfect weather protection and maximum flexibility of balcony usage not only increase the attractiveness of the property, but also pay off in a very concrete economic sense.







WIND- & WEATHER PROTECTION

The use of Solarlux systems not only extends the living space, but also creates real site advantages. The flexible glazing solutions ensure perfect wind and weather protection as well as longer use of the balcony. Rain rolls off, wind remains outside and on sunny days, the glass elements can be opened completely.



OPENING OPTIONS

Opening inwards or outwards, folding to the left and/or right, push to fold or to the side - Solarlux systems offer a wide range of opening options. The individual elements can be opened in just a few easy steps across the entire width. Thanks to its sophisticated engineering including the low-maintenance, stainless-steel carriage, even large glass elements can be operated very easily and quietly. In addition, you can easily clean both the inside and outside.



SOUND INSULATION AND VENTILATION

Apartments in city outskirts are more popular than ever, but the noise levels often present a significant challenge. Solarlux balcony glazing ensures optimal sound insulation up to R_w 45 dB – living spaces on busy roads is thus much more attractive. Mechanical vents afforded by trickle vents or tilting windows integrated in the glazing is also possible with Solarlux systems.

**WOULD YOU LIKE MORE INFORMATION
ABOUT SOUND INSULATION? ORDER
OUR FLYER!**



THERMAL INSULATION AND ENERGY SAVINGS

The use of balcony and facade glazing is sensible from an ecological point of view. Solarlux systems such as bi-folding doors - in combination with the curtain walling facade module as a parapet element - offer optimum thermal insulation: from the fulfilment of the latest regulations from the German Energy Savings Ordinance (EnEV) up to passive house standards, Solarlux offers the right systems.





SL 25 MODULAR / LEIPZIG, GERMANY / REF. NO 01125



USER-FRIENDLINESS

All Solarlux systems feature a high level of user-friendliness. On the one hand, the systems are put through their paces in endurance tests during in-house research and development, and on the other hand, they provide technical details that facilitate operation for the user. For example, the bi-folding doors can be equipped with a cleaning pin with "Easy Clean Technology". This fitting allows easy cleaning of the outside of the panel, even on top floors – incorrect operation is absolutely impossible.



SL 25 MODULAR / LEIPZIG, GERMANY / REF. NO 01125



HERE, YOU CAN FIND OUT
MORE ABOUT OUR BALCONY
GLAZING SYSTEMS





SL 60E MODULAR / PFORZHEIM, GERMANY / REF. NO 00119

Thermally insulated
**BALCONY AND
FACADE SYSTEMS**

A BALCONY AS A BRIGHT LIVING SPACE

Open up rooms – expand rentable space

Bi-folding doors are ideal for extending the rentable area or to use the living space as a pergola with balcony aesthetic.

The thermally insulated profiles with innovative glazing create a continuous facade, behind which the balcony becomes a living space.

The trick in all application areas is that the bi-folding door can be opened completely over the entire width and concertina to one side.

AT A GLANCE

- Creation of additional, fully rentable living space
- With a fully opening system the balcony aesthetic stays in the room
- Sound insulation up to 45 dB when installed
- Quick assembly via factory prefabrication and easy adjustability even with dimensional tolerances
- Option of curtain walling facade, prevents damage to the balcony slab





ECOLINE AND HIGHLINE

Aluminium, thermally insulated

Despite their differences in overall depth (67 mm and 84 mm), our two aluminium thermally insulated bi-folding door systems, Ecoline and Highline, boast a slim sight line of 99 mm at the panel joint.

The reason for this is the bionicTURTLE®: a multifunctional insulating bar that combines various technical details. Its shape helps to keep profiles extremely slim – even when using large and heavy panels. In addition, it serves to accommodate locking mechanisms and fittings while also ensuring perfect insulation.

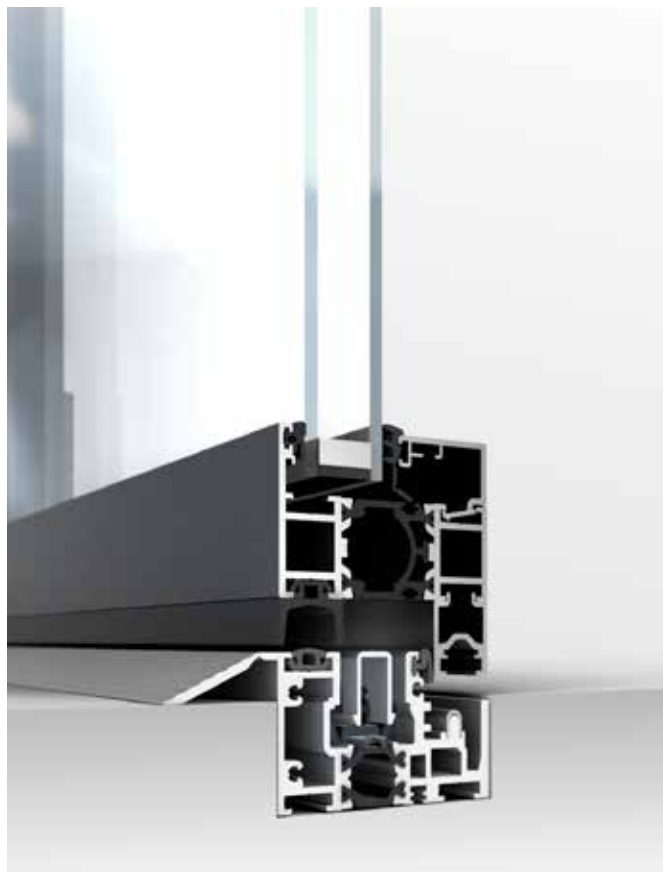
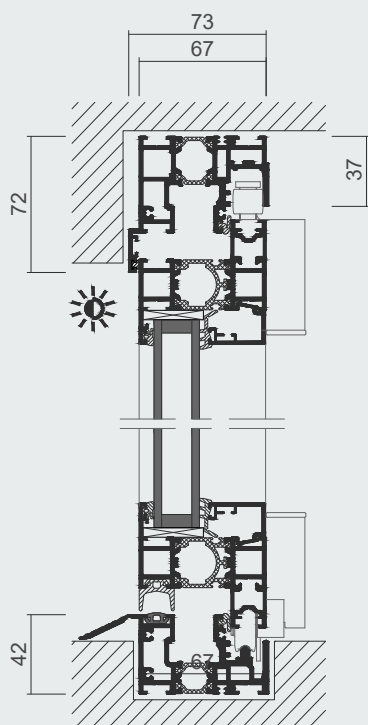


ECOLINE / OSNABRÜCK, GERMANY / REF. NO 01417



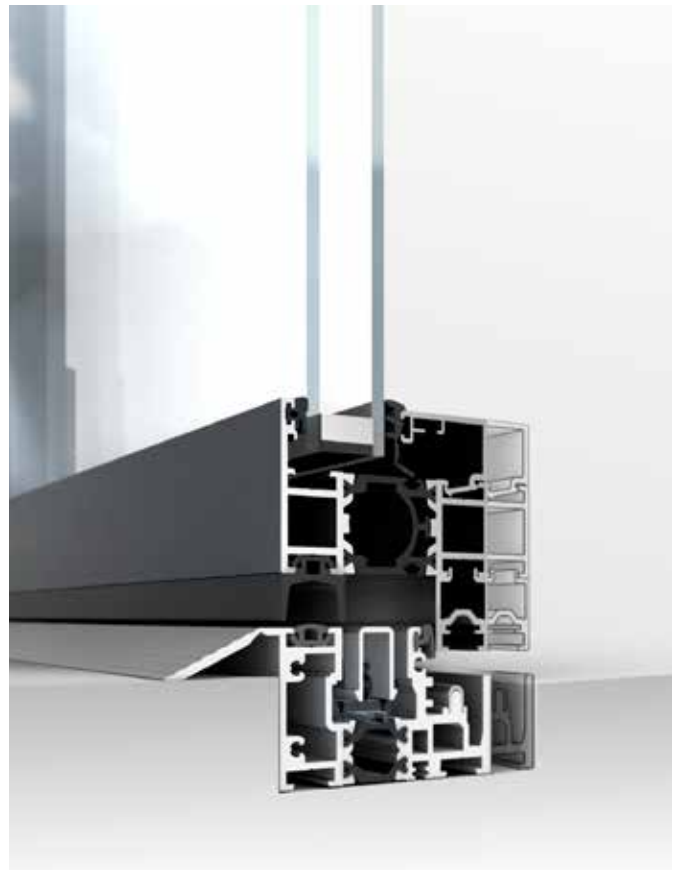
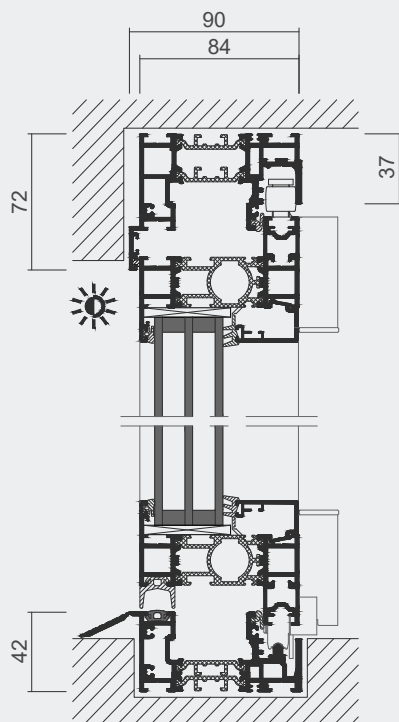
ECOLINE - TECHNICAL DATA

- Panel thickness 67 mm
- Panel joint sight line 99 mm
- Glass thickness from 5 - 36 mm
- U_w 1.1W/m²K
- Panel width: Up to 1m
- Panel height: Up to 3 m
- Panel weight: Up to 90 kg
- Optional accessible floor track
- RC2 certified



HIGHLINE - TECHNICAL DATA

- Panel thickness 84 mm
- Panel joint sight line 99 mm
- Glass thickness from 22 - 60 mm
- U_w 0.8 W/m²K
- Panel width: Up to 1.1 m
- Panel height: Up to 3.5 m
- Panel weight: Up to 110 kg
- Optional accessible floor track
- RC2 certified





WOODLINE

Wood, thermally insulated

Cosy yet modern: the Woodline bi-folding door is the perfect choice for those who want the best of both worlds. Its profiles consist of FSC® and PEFC certified quality wood with several laminated layers; a special panel corner joint guarantees additional stability. The sub-frame comprises an aluminium structure that is completely clad with solid-wood sections, inside and out.

COMBILINE

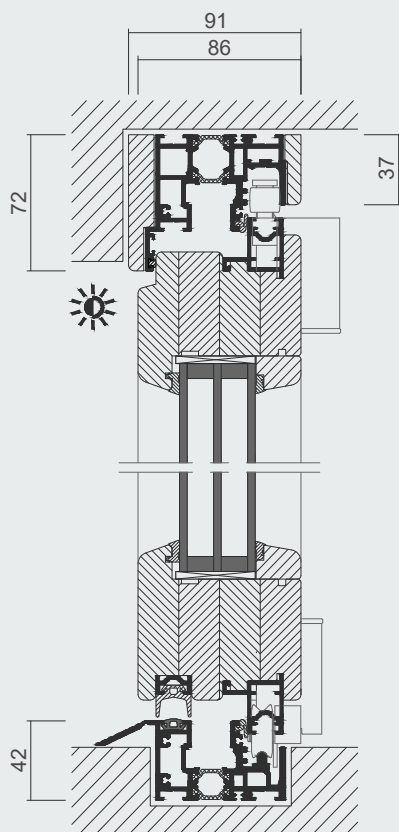
Wood/aluminium, thermally insulated

Highest weather resistance is guaranteed with edged aluminium cover applied to the wood profile. The sub-frame comprises an aluminium structure that is faced with solid-wood sections on the inside of the frame. The seal comprises two continuous gaskets, so optimum system drainage is guaranteed.



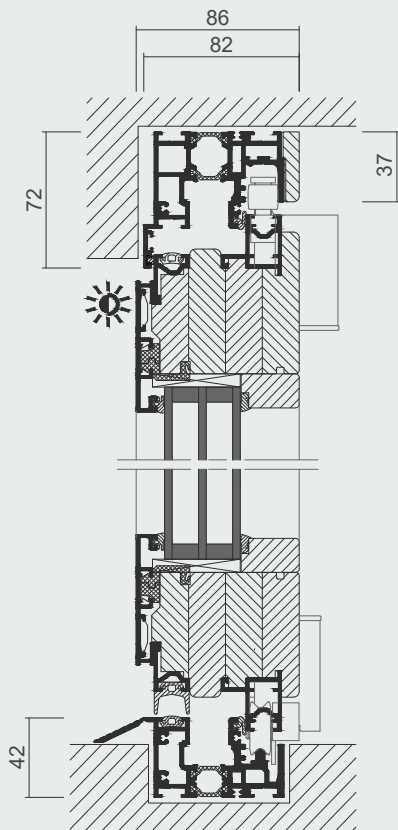
WOODLINE - TECHNICAL DATA

- Panel thickness 86 mm
- Panel joint sight line 143 mm
- Glass thickness from 28 - 48 mm
- U_w 1.0 W / m²K
- Panel width: Up to 1m
- Panel height: Up to 2.8 m
- Panel weight: Up to 100 kg
- Optional accessible floor track
- RC2 certified



COMBILINE - TECHNICAL DATA

- Panel thickness 86 mm
- Panel joint sight line 147 mm
- Glass thickness from 28 - 48 mm
- U_w 1.1 W / m²K
- Panel width: Up to 1 m
- Panel height: Up to 2.8 m
- Panel weight: Up to 100 kg
- Optional accessible floor track
- Particularly high weather resistance owing to aluminium covers on the outside
- RC2 certified





SL 60E MODULAR / GRONINGEN, THE NETHERLANDS / REF. NO 00110



SL MODULAR

Facade, thermally insulated

The SL Modular system is designed as a curtain walling facade with integrated drainage and combines the fixed balustrade element with a flexible and individually selectable bi-folding door system into a single unit. Use of the SL Modular system has many advantages. Due to the high degree of pre-fabrication as a complete unit, only a relatively short assembly time is required. The combination with a fully opening bi-folding door allows the newly created living space to keep its balcony aesthetic.

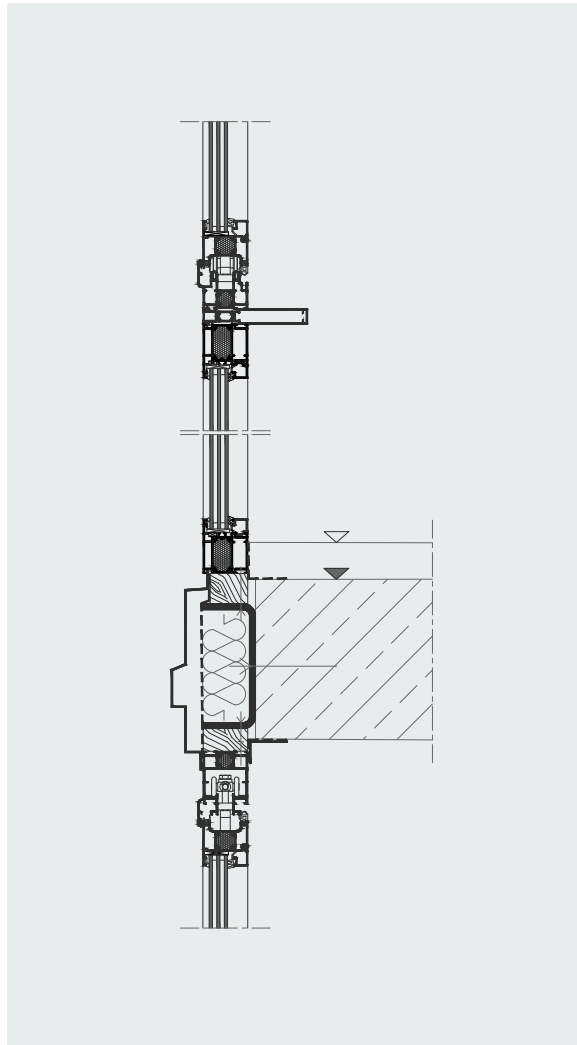
**SL MODULAR COMBINES A FIXED
PARAPET ELEMENT WITH A
FLEXIBLE BI-FOLDING DOOR**

SL MODULAR - TECHNICAL DATA

- Individual parapet design
- A visually appealing solution as a curtain wall with integrated drainage
- No damage to the thermally insulated composite system
- Short assembly time with modular construction
- The added advantage of top-quality living space in combination with the Solarlux bi-folding door



SL 60E MODULAR / BAD AIBLING, GERMANY / REF. NO 00995





THE BI-FOLDING DOOR FAMILY
VIDEO: ADVANTAGES, PRODUCTION
AND TECHNICAL FEATURES





Non-insulated
**BALCONY AND
FACADE SYSTEMS**

A PROTECTED PLACE TO RELAX

Wind, weather and sound insulation: Glazing allows continuous use of the balcony

Various all-glass systems offer wind, weather and sound insulation and can be fully opened, depending on the variant. Mounted on existing parapets, as a transparent all-glass balustrade or as storey-high elements – the balcony aesthetic is retained thanks to the option of full-surface opening.

The system's great user-friendliness is also evident during cleaning, even the outer panes can be cleaned from the inside without any problems. With its curtain wall design, the non-insulated version of the SL Modular not only improves the energy balance, but also permanently protects the building fabric from the effects of the elements.

AT A GLANCE

- Optimal protection from wind and weather
- Various possibilities through numerous system variants
- Various glazing (TSG, TSG-H, LSG)
- Sound insulation up to 27 dB when installed
- Fast installation and easy adjustability even once installed
- The curtain wall facade module can be used as a heat barrier and protects the building fabric







SL 25

All-glass, aluminium

The SL 25 slide-and-turn system offers sound insulation in addition to repelling driving rain. The continuous glass surface allows an unrestricted view, so that the balcony can still be used even in bad weather. The sliding panels run in a single track, meaning they can be pushed completely to the left and/or right and can be opened by turning inwards or outwards.



SL 25 / DUBLIN, IRELAND / REF. NO 00020

SL 25, SL 25 R, SL 25 XXL -

TECHNICAL DATA

- Precision bearings guarantee lightly sliding individual panels, even around corners
- Easy cleaning of the panels from the inside
- Height and width alignment when installed
- Permanent ventilation through defined panel vents
- Driving rain repellent
- Lockable, two-stage trickle ventilation on the swing panel for controlled ventilation
- Glass thicknesses of 6 and 8 mm tempered safety glass (TSG)
- Also possible in framed version as SL 25R
- For large panel sizes, also executable as SL 25 XXL; glass thicknesses from 10 and 12 mm tempered safety glass (TSG) or laminated safety glass (LSG)





SL 20

All-glass, aluminium

The SL 20 sliding system offers a combination of sound insulation and high transparency. Thanks to the intelligent driver function, the all-glass elements are extremely user-friendly. The individual panels are guided in a 2-lane to a max. 5-lane running track. In addition to this, the SL 20e can be used as a fully transparent corner solution. The elements can be set up to slide to either the left or the right. A framed version and, if necessary, a locking mechanism with different handle designs are available as optional extras.



SL 20 - TECHNICAL DATA

- Easy to operate with driver function for sliding panel when closing
- Glazing with tempered safety glass (TSG)
- Pane thickness of 8 or 10 mm
- 2, 3, 4 or 5-track version depending on requirements
- Sliding left and/or right as desired
- Framed panels and anti-lift protection available as optional extras





SL 23

All-glass, aluminium

The design of flush-mounted glass facades with flexible opening and closing options presents a real challenge, particularly on higher levels. The SL 23 sliding system meets the associated static requirements, visual aspects and the need for sound, wind and weather protection. The system is mounted in front of the guardrail and can be opened and closed easily despite heavy panel weights. This is facilitated further still thanks to the simplified self-opening and integrated soft-close lock. The integrated anti-lift device and guardrail also meet safety requirements for high floors.



SL 23 - TECHNICAL DATA

- Linear glass panes fixed in aluminium profiles top and bottom
- 2-track and 3-track versions
- 12 mm lowering and 5 mm raising
- Glass thicknesses 12 and 15 mm tempered safety glass (TSG) or TSG with heat-soak test or up to 16 mm laminated safety glass (LSG) with quadruple film
- Max. glazing 17.5 mm
- Pane drilling and bolting above and below, anti-lift protection for maximum safety even with a high wind load

SL MODULAR

Facade, non-insulated

Similar to the insulated version, the non-insulated SL Modular also connects the balcony balustrade with the glazing to form one unit. All static elements, from the surrounding frame to the balustrade, are prefabricated as a system combination at the factory. The on-site assembly of the modules and the glass elements can therefore be completed quickly and without bothering the residents. Even elements up to a width of six metres are delivered as a unit and mounted by crane installation in a time-saving and precise manner.



SL MODULAR NON-INSULATED - TECHNICAL DATA

- A visually appealing solution as a curtain-wall facade with integrated drainage
- Facade is placed in front of the concrete slab, thus not reducing the balcony area
- No damage to the thermally insulated composite system
- Sound insulation up to 27 dB
- Individual parapet design
- Connection joints are clad inside and outside
- Protected concrete surfaces, no additional renovation costs
- Short construction times thanks to optimised prefabrication

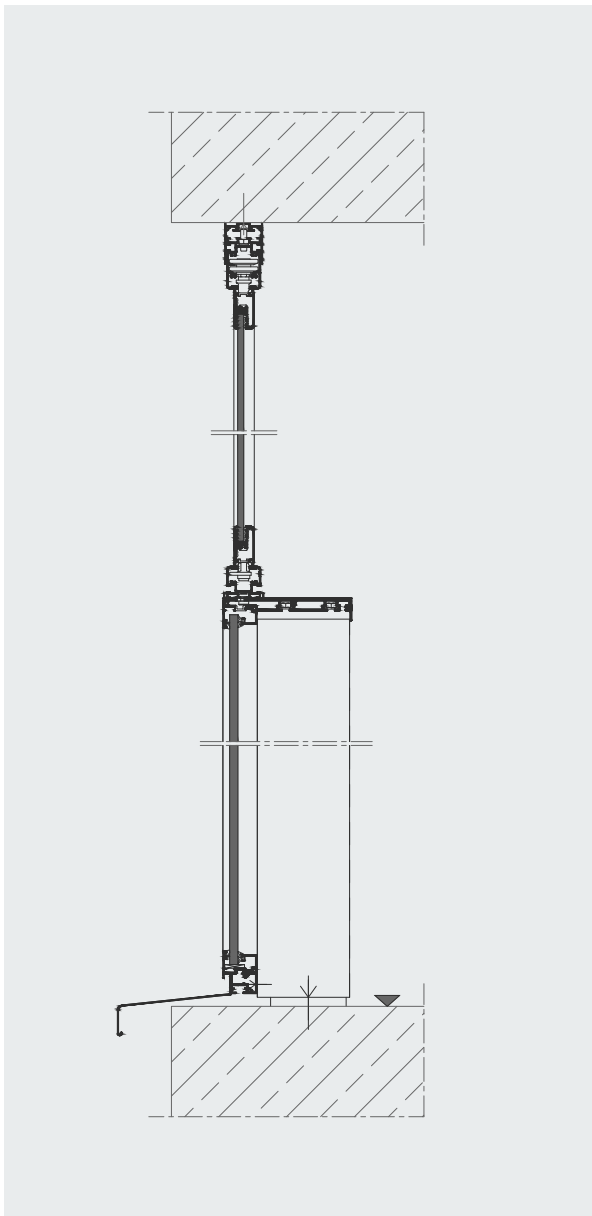




SL PLUS

All-glass-facade

The all-glass facade SL Plus meets the requirements of modern, lightweight and above all completely transparent facade design. Balcony balustrades made of glass are safe and always attractive, wear-resistant and easy to clean. In combination with a Solarlux balcony glazing, such as the SL 25, you can achieve a uniform and consistent facade appearance - without foregoing the advantages of a fully usable balcony protected from all weather.



SL PLUS - TECHNICAL DATA

- The balustrade can be fully clad with glass from the handrail to the underside
- The balustrade is not limited in length and can be extended as desired
- Optimal solution for a full-glass aesthetic in combination with Solarlux balcony glazing



SL 25 / LONDON, ENGLAND / REF. NO 01583



YOU CAN READ THE REPORT
ON THE GERON WAY BUILDING
IN LONDON ON OUR WEBSITE





ACCESS BALCONY GLAZING / HAMBURG, GERMANY / REF. NO 00697

Protected ACCESS
BALCONY WITH
AUTOMATIC
VENTILATION

GUARANTEED SMOKE-FREE
ESCAPE ROUTES

GLAZING SOLUTIONS FOR THE ACCESS BALCONY

Security for the property and its inhabitants

Glazing permanently protects the access balcony from weathering, reducing the risk of accidents in the rain, snow and ice and providing sound insulation. SL access balcony glazing is guided in a multi-track rail and is ideally suited to the requirements of multi-storey residential construction. The optionally applicable automatic ventilation in the event of smoke development ensures that the glass panels are automatically opened via mechanical drive technology and the escape routes remain smoke-free in case of a fire.



ACCESS BALCONY GLAZING / HAMBURG, GERMANY / REF. NO 01593



ACCESS BALCONY GLAZING / HAMBURG, GERMANY / REF. NO 01593



ACCESS BALCONY GLAZING / HAMBURG, GERMANY / REF. NO 00697



LEARN MORE ABOUT THE
DESIGN FEATURES OF THE
ACCESS BALCONY GLAZING





Photo: Roland Halbe Architektur fotografie

CERO II / GLATTEN, GERMANY / REF. NO 01277

FOR SPACES
WITH
IMPRESSIVE
transparency

CERO BY SOLARLUX

SLIM FRAME, SPECIAL VALUE

*Minimalist design for
maximum transparency*

cero opens up rooms with extensive glass panels as transparency dissolves the line between inside and outside. It gives rooms a special radiance and with its narrow profiles, looks like a slender frame around nature. What's more, the sight line of just 34 mm results in a symmetrical and minimalist design. The high design standard of the system itself has already been confirmed by several international juries. Challenging building projects are given that extra special touch through the use of cero.

cero



CERO III / TIMMENDORFER STRAND, GERMANY / REF. NO 01586





CERO II / GLATTEN, GERMANY / REF. NO 01277

Photo: Roland Halbe Architektur fotografie

**CERO CAN BE EASILY
INTEGRATED IN EXISTING
ALARM SYSTEMS**



CERO BY SOLARLUX

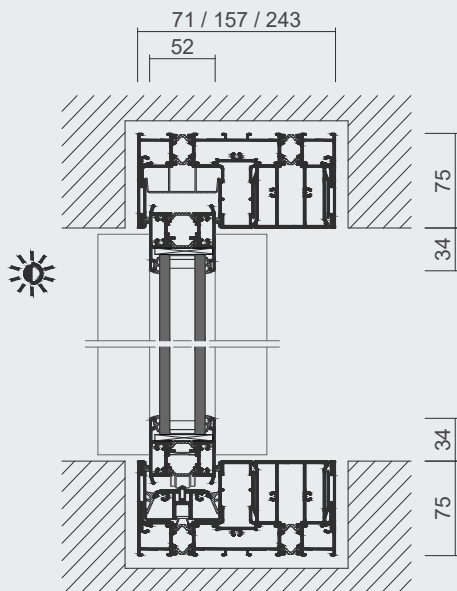
*Maximum comfort and maximum
safety with 98 % glass content*

Extremely large glass surfaces of up to 15 m² per panel put quality and safety aspects at centre stage. Cero has been tested and certified according to the highest safety standards, and can be equipped with anti-burglary protection class RC2 and RC3 as an optional extra.

Cero can be connected to alarm systems, lock monitoring systems, signalling systems such as glass-breakage sensors and position monitoring. For maximum comfort, a complete automatic operation of the sliding elements including electromechanical locking and unlocking is possible, and several panels can be moved interdependently via a control unit.

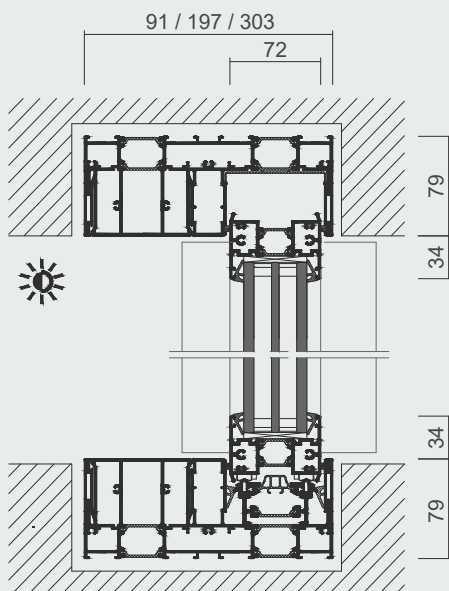
CERO II - TECHNICAL DATA

- Sliding element 3 x 4 m, max. panel size 12 m²
- Double glass 30 - 36 mm (TSG)
- Accessible running track in accordance with DIN 18040
- Max. panel weight: 600 kg
- Thermal insulation value (glass $U_g = 1.1 \text{ W/m}^2\text{K}$)
 U_w bis 1.35 W/m²K
- Impermeability to driving rain up to Class 9A
- Air permeability up to Class 4
- Wind resistance up to Class B4
- Insect protection up to a height of 3.5 m



CERO III - TECHNICAL DATA

- Sliding element 4 x 6 m, max. panel size 15 m²
- Double glass 48 - 54 mm (TSG), 50 mm standard
- Accessible running track in accordance with DIN 18040
- Panel weight max. 1,000 kg
- Thermal insulation value (glass $U_g = 0.5 \text{ W/m}^2\text{K}$)
 U_w bis $0.76 \text{ W/m}^2\text{K}$
- Impermeability to driving rain up to Class E750
- Air permeability up to Class 4
- Wind resistance up to Class B4
- Insect protection up to a height of 3.5 m





CERO III / RÜGEN, GERMANY / REF. NO 01335



VIDEO: ROOM HEIGHT GLAZING
WITH DISCREET PROFILES - NEW
PERSPECTIVES WITH CERO





SL 25 MODULAR / LEIPZIG, GERMANY / REF. NO 01125

THE RIGHT
solution FOR
EVERY
REQUIREMENT

REFERENCE PROJECTS FROM GERMANY

REFERENCE 01417

NEUSTADT CARRÉ, OSNABRÜCK

New build



APARTMENTS WITH BI-FOLDING DOORS

Living in the city centre: The new residential quarter Neustadt Carré with 81 high-quality furnished apartments in the heart of Osnabrück was built on a former parking area. Remarkably, the apartments have a glass frontage instead of a standard balcony, which can be opened across the whole level.



BUILT
2015

BUILDING OWNER
MBN Bau AG

ARCHITECT
PLAN.CONCEPT Architects GmbH

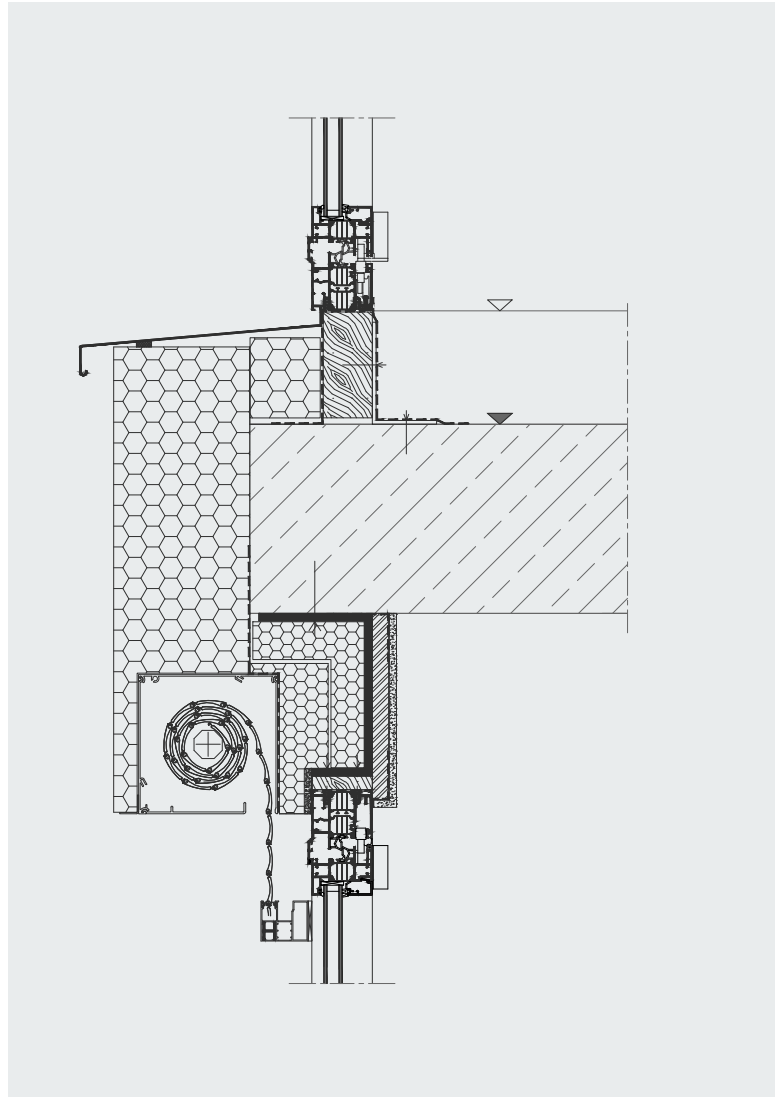
LOCATION
Osnabrück city centre,
Kommenderiestraße

TYPE OF CONSTRUCTION
New build of a freehold apartment development consisting of four building complexes over an area of 4,470 m²: a total of 81 apartments measuring between 27 and 130 m²

REQUIREMENT
New build in the course of inner-city densification; uninterrupted and stable facade that can be opened across its entire width

SOLUTION

- Flexible facade concept with bi-folding doors
- Even with closed glazing, high outer cover with plenty of light and protection from noise emissions; the living space behind it opens to the loggia
- 30 bi-folding doors, a total of 122 bi-folding door panels
- Optimum ventilation through fans installed vertically in the lateral fixed elements for a needs-based fresh air supply via pressure difference, completely power free

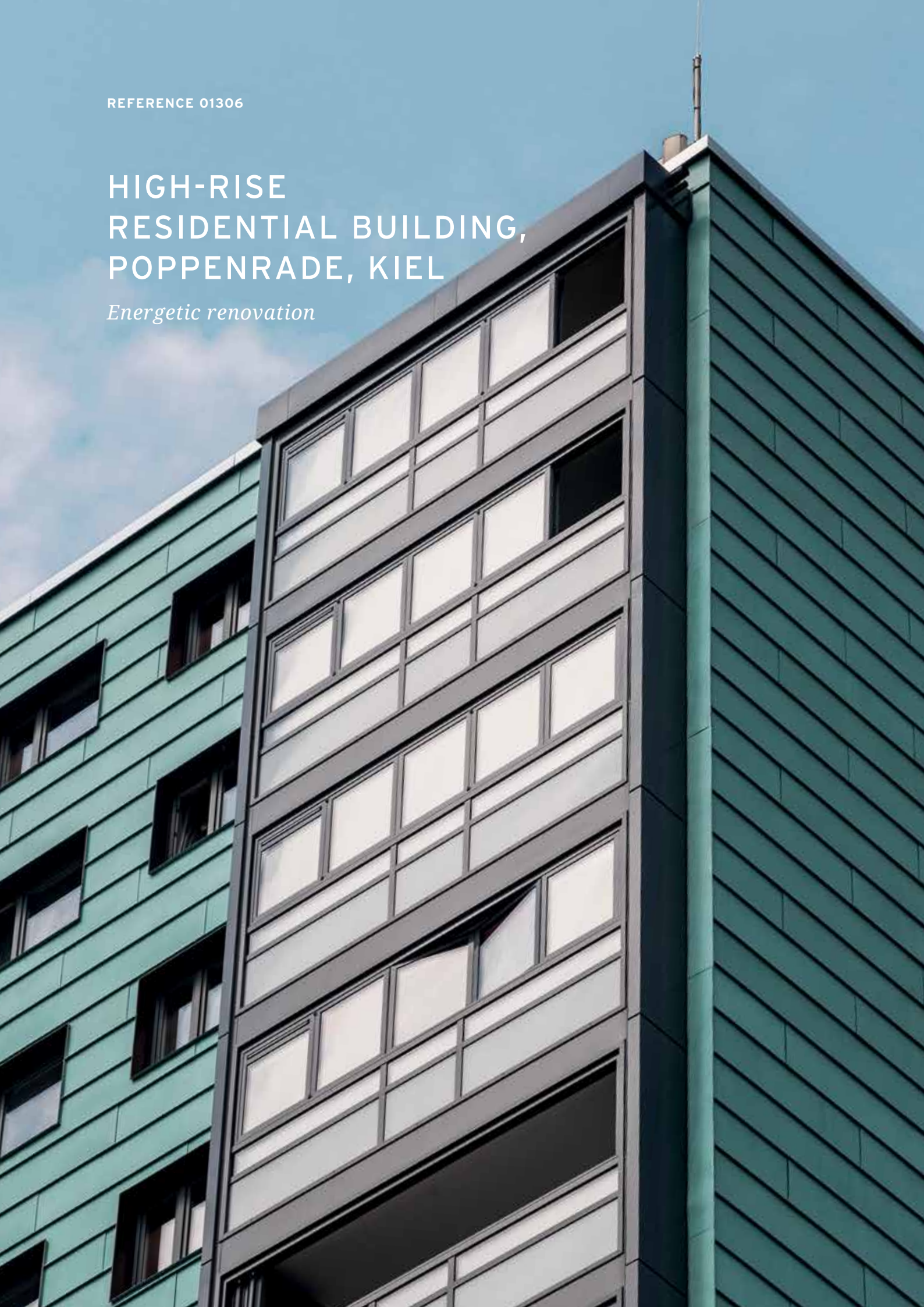




REFERENCE 01306

HIGH-RISE RESIDENTIAL BUILDING, POPPENRADE, KIEL

Energetic renovation



THERMALLY INSULATED SL MODULAR AND BI-FOLDING DOORS

The high-rise residential building Poppenrade 5 of the Kiel residential district "Poppenrade" shapes the area on Kiel's eastern shore. Built in the 1970s, the settlement with its 202 apartments was initially considered a highly popular neighbourhood. The outdated standard of energy and the consequent threat of apartment vacancy prompted the housing cooperative, Wohnungsbau-Genossenschaft Kiel-Ost eG, to undertake extensive energy renovation and modernisation measures.



BUILT

2013 - 2016

BUILDING OWNER

Wohnungsbau-Genossenschaft
Kiel-Ost eG

ARCHITECT

AX5 Architects

LOCATION

Kiel Ellerbek, Poppenrade 5

TYPE OF CONSTRUCTION

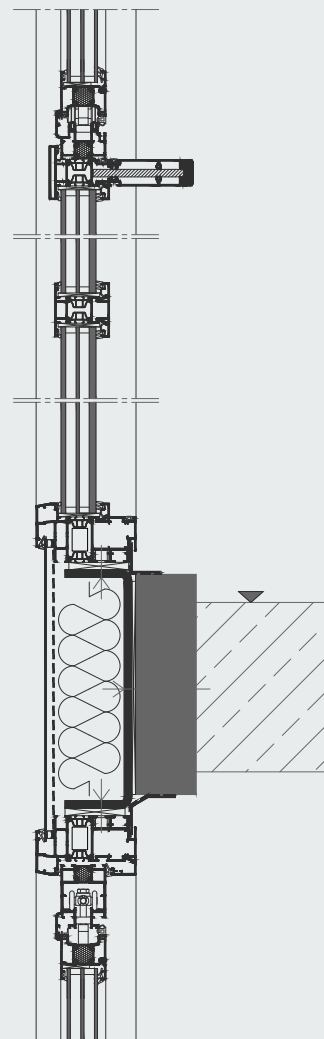
Energetic renovation of the balconies
and external facade of the fifteen-
storey residential building

REQUIREMENT

Durable energetic renovation of the
facade as well as overcoming the ex-
isting thermal bridges of the balcony
slab projecting into the living space;
optimal ventilation concept

SOLUTION

- Renovation of the balconies to full living space, the balcony retains its open-air aesthetic
- Cladding of the facade with high-quality copper in combination with the thermally insulated balcony module SL Modular and the SL 60 bi-folding door
- 56 units of SL Modular with a total of 280 panels of thermally insulated bi-folding doors, the 56 glass folding door systems are equipped with an 80 cm wide fan for optimum air circulation





REFERENCE 01120

RESIDENTIAL COMPLEX, HATTINGEN

Complete renovation



**ALMOST A NEW BUILDING - WITH BI-FOLDING
DOORS ON BALCONY PARAPET**

The four-storey residential complex in the district of Holthausen in Hattingen dates back to 1977 and comprises 77 apartments. The building was in a very poor structural condition, not least because of its insufficient thermal insulation. The aim of the renovation was to be on a par with a new building in terms of energetic and aesthetic aspects, and to become competitive again in the housing market.



BUILT

2013

BUILDING OWNER

Gartenstadt Hüttenau eG

ARCHITECT

Architekturbüro Degener

LOCATION

Hattingen, Holthausen

TYPE OF CONSTRUCTION

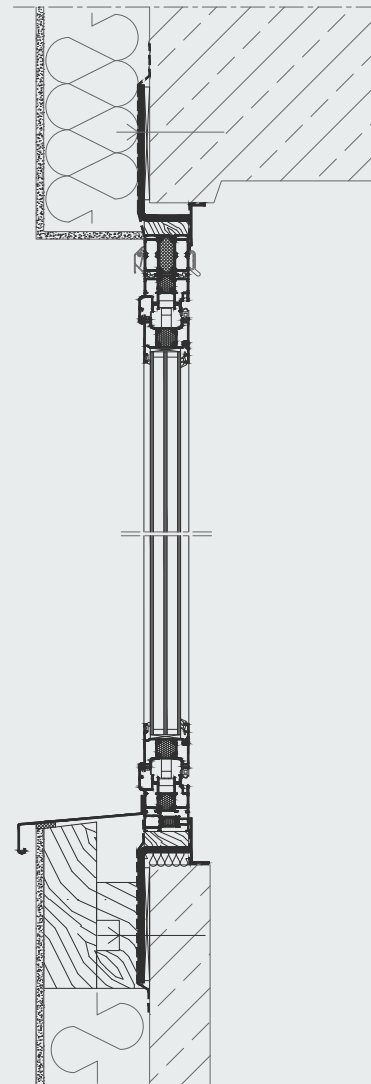
Energetic renovation of the balconies and external facade of the four-storey residential complex

REQUIREMENT

Durable energetic renovation of the facade to new-build standard; the challenge was to design the bi-folding door on three structurally different balcony types in order to achieve a uniform facade appearance

SOLUTION

- Use of the bi-folding door with triple insulating glazing and improved edge bond as a “warm-edge spacer” mounted on a parapet insulated on site, so that the balcony aesthetic is retained when opening the folding door
- A self-adjusting trickle ventilation unit integrated into the upper profile ensures a consistently pleasant indoor climate
- The enclosure of the balconies prevents thermal bridges, bringing the thermal level forward saves costs over conventional renovation measures
- This solution meets the high requirements of the Energy Saving Ordinance (EnEV)





REFERENCE 01188

AN DER VERBINDUNGSBAHN, HAMBURG

Sound insulation



RESIDENTIAL COMPLEX WITH SL PLUS AND SL 25

“Verbindungsbahn” refers to the railway junction line in Hamburg. The brownfield land directly adjacent to the railway line was long considered unsuitable for residential development due to the high noise level. This is a conflict that was able to be resolved in 2017 with a new building and the right noise protection concept.



BUILT

2017

BUILDING OWNER

GS-Bau GmbH from Neu Wulmstorf

ARCHITECT

LRW Architekten und Stadtplaner

LOCATION

Hamburg, Rotherbaum

“An der Verbindungsbahn”

TYPE OF CONSTRUCTION

Townhouse with separate entrance, small maisonettes and multi-storey apartments, panoramic suite

REQUIREMENT

Facade with a high level of sound insulation and maximum transparency

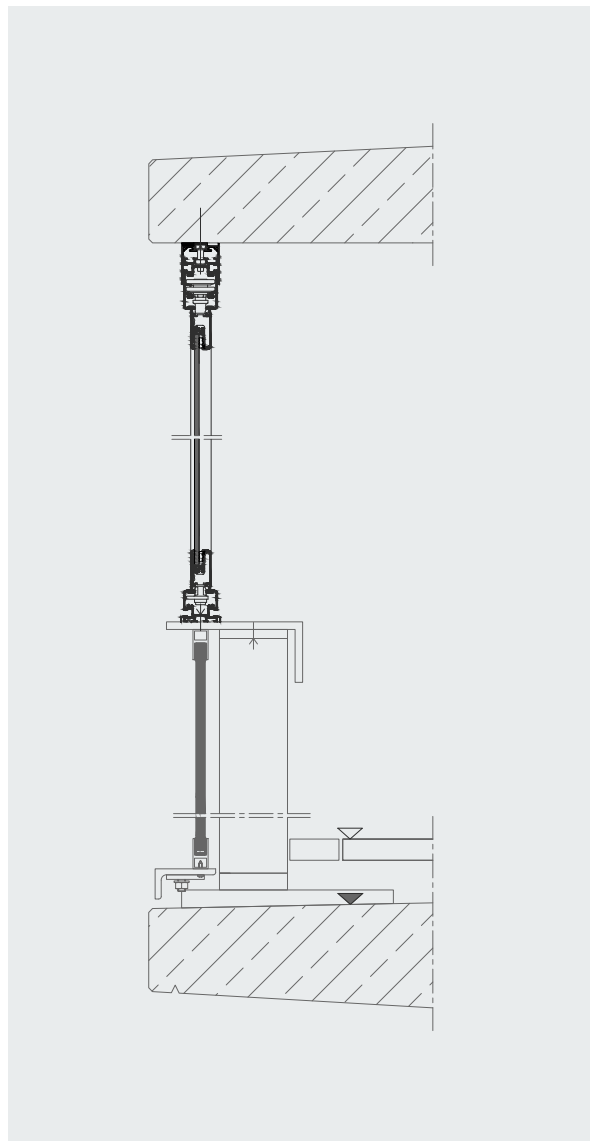
SOLUTION

Double-skin facade made of virtually frame-free glass elements in combination with prefabricated filigree reinforced-concrete facade; 27 units of double facade equipped with 360 slide-and-turn elements of the SL 25 system

TESTED AIRBORNE**SOUND INSULATION**

22 dB

Awarded the “WohnbauPreis Hamburg 2017”





REFERENCE 01091

WESERVIEW, BREMERHAVEN

New build



WIND AND WEATHER PROTECTION WITH SL MODULAR

Around the turn of the millennium, the city of Bremerhaven began to promote the transformation of port areas and commercial spaces close to the city centre. In the meantime, a maritime centre has developed around the two oldest docks. LloydMarina Wohnungsbau built a residential building with high-quality freehold apartments overlooking the harbour. The proximity to the water meant the balconies had virtually constant draughty breezes.



BUILT

2017

BUILDING OWNER

LloydMarina Wohnungsbau GmbH

ARCHITECT

Wiedenroth & Siebert

LOCATION

Bremerhaven Neuer Hafen,
Lohmannstraße

TYPE OF CONSTRUCTION

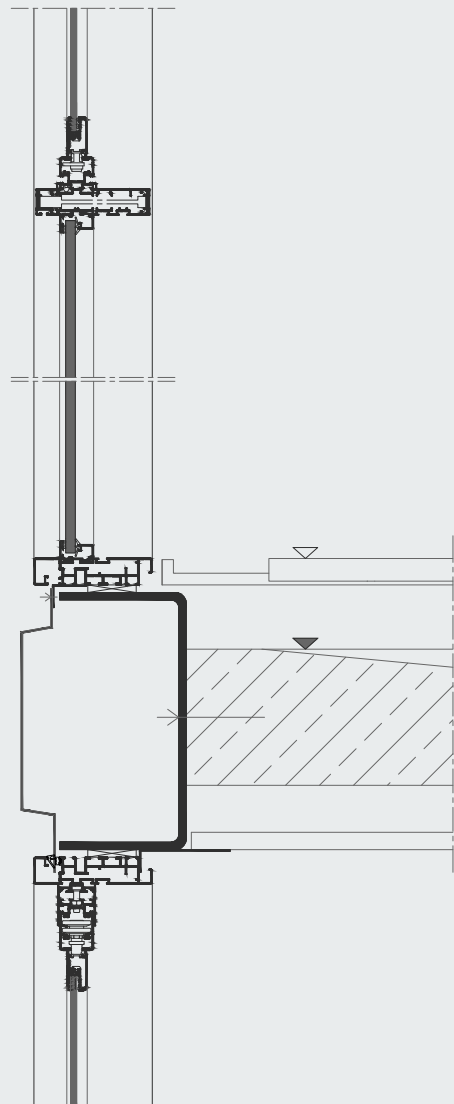
Eight-storey residential building in the
form of a ship's bow with 16 high-quality
freehold apartments

REQUIREMENT

Facade with a high level of sound
insulation and maximum transparency

SOLUTION

The non-insulated balcony system
SL Modular with the SL 25 slide-and-
turn system now offers residents
perfect wind and weather protection
without obstructing the view of the
harbour and water





REFERENCE 01579

THE GARDEN, BERLIN

New build



SOUND INSULATION WITH SL 25

In Berlin Mitte, the residential district “The Garden” with freehold and rented apartments was built directly opposite the new Federal Intelligence Service headquarters. It is a quiet, green living oasis in the middle of the pulsating city. As soon as the gate on the Chausseestraße is crossed, you leave the hustle and bustle of the city behind. The challenge: The residential units used as rented apartments on the street side had to be protected against the noise level of the busy connection axis between Wedding and the centre.



BUILT
2016

BUILDING OWNER
Garden Projektentwicklung GmbH

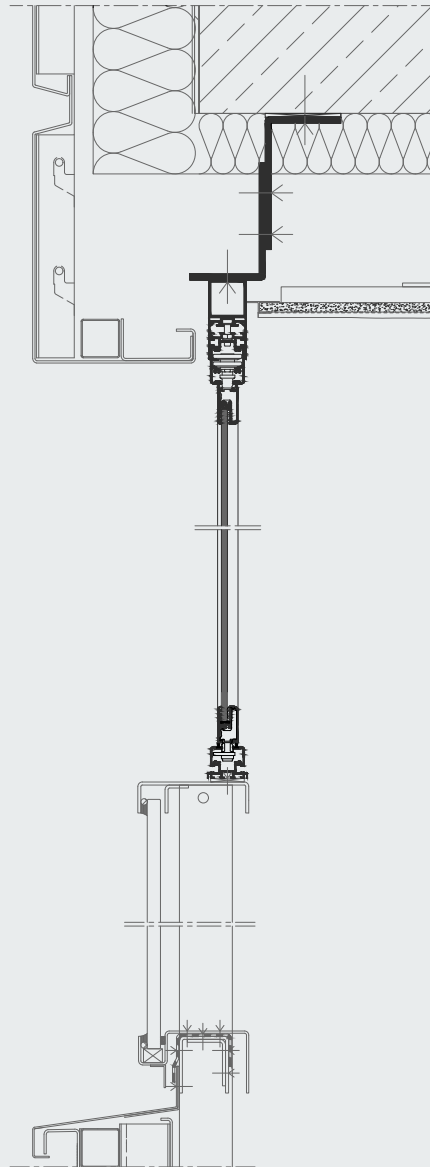
ARCHITECT
Eicke Becker Architects

LOCATION
Berlin Mitte, Chausseestr. 57 - 60

TYPE OF CONSTRUCTION
Seven-storey stacked construction
of a total of 17 houses with various
projections and recesses in the facade
and balconies; unit sizes of 2-bedroom
apartments over townhouses, upscale
housing to rent and buy

REQUIREMENT
Sound insulation for the rented
apartments at Chausseestraße

SOLUTION
64 SL25 slide-and-turn systems
with a total of 337 panels that were
installed on an existing transparent
parapet, protecting the residential
units behind them from noise





REFERENCE 01418

TASSILOPLATZ, MUNICH

New build



SOUNDPROOFING WITH SL 25 XXL

In the summer of 2017, a square was closed on the former Bernbacher premises in Munich: the new Tassilo construction project completed by Baywobau Immobilien AG creates a harmonising complement to the existing houses in the immediate vicinity.



BUILT
2017

BUILDING OWNER
Baywobau Baubetreuung GmbH

ARCHITECT
prpm Perret Maluche Stuke Architekten
& Stadtplaner GmbH

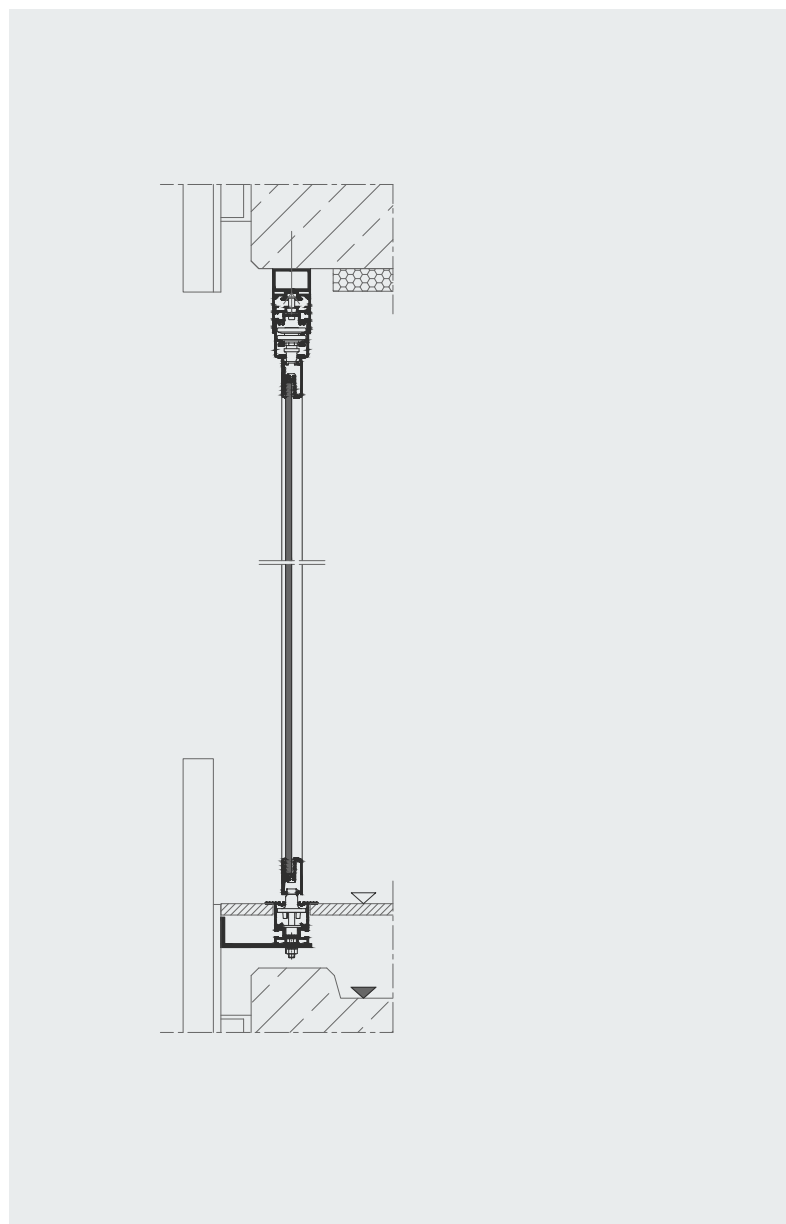
LOCATION
Munich, Haidhausen

TYPE OF CONSTRUCTION
New building "Tassilo" with 225 free-
hold apartments with selected facilities

REQUIREMENT
Balconies must be equipped with sound
insulation due to the railway tracks
adjoining in the south as well as a main
road to the west

SOLUTION

- 274 balconies equipped with almost
1,700 glass elements of
the SL 25 XXL
- SL 25 XXL slide-and-turn system
acoustically shields both balconies
and ground floor terraces
- Sound insulation of over 11dB
- The balcony aesthetic is retained
owing to the full-opening option
- Protection of the facade against wind
and rain
- The glazing creates an insulating cov-
er as a buffer zone between the indoor
climate and the outside temperature
- Constant fresh air circulation and
a healthy balcony climate through
ventilation gaps between the elements





REFERENCE 01586

HOTEL SAND, TIMMENDORFER STRAND

New build

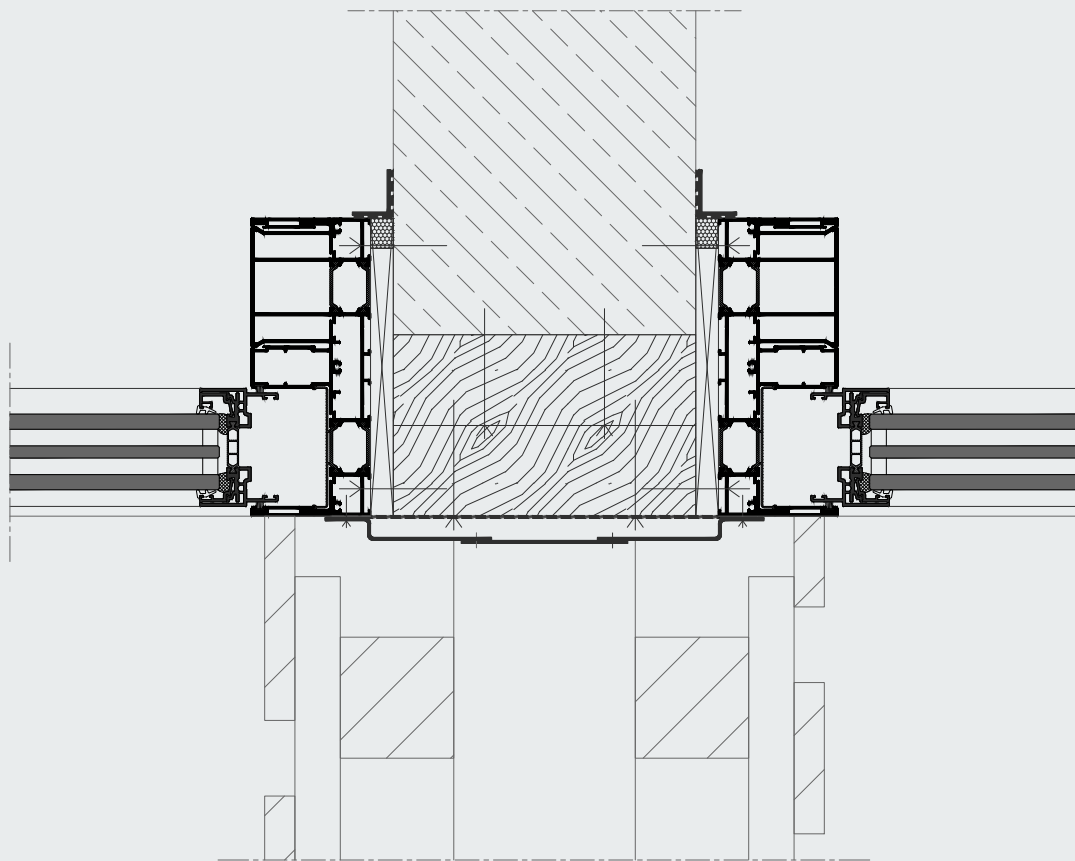


HIGH-QUALITY EXTENSION WITH STYLISH AMBIENCE

The Sand hotel is located in the popular holiday resort of Timmendorfer Strand, very close to the beach.

The renowned hotel was opened in 1930 and has since been gradually renovated and extended. The new extension should stylishly expand the capacity of the spa hotel. The 34 mm slim profiles of the cero sliding windows frame the view of the Baltic Sea like a picture.





BUILT

2017

BUILDING OWNER

Marion and Lambertus Muller

ARCHITECT

Planungsbüro Falk,
Architect Roald Pall

LOCATION

Timmendorfer Strand

TYPE OF CONSTRUCTION

New build as an extension of the
existing hotel complex

REQUIREMENT

Stylish extension of the capacity of
the spa area with large windows for
maximum light in the rooms

SOLUTION

- 34 cero III systems
- One fixed and one sliding element





YOUR PROJECT
IN *good hands*

FULL SERVICE FROM SOLARLUX

BENEFIT FROM THE
SAME POINT OF CONTACT
FROM START TO FINISH



Our team of experienced property consultants, planners and architects support you in the execution of your project - regardless of whether it is a new build project or an energetic renovation.



PROJECT EXECUTION WITHOUT RISK

Security in every process step

Benefit from our renowned Solarlux service. An expert team will be available to you throughout the entire building project. We will cooperate to develop the ideal solution for your project: A team of property and architectural consultants conducts a site survey. We then draw up an informed cost calculation on this basis – one which will enable us both to plan in a cost-efficient way. Consultation, calculation, site measurement, production and assembly: with us, you can take advantage of everything from a single source.

LOGISTICS

To us, logistics means more than simply ensuring transport from A to B. From the initial planning to the acceptance of the finished construction and from individual service to complete construction management: Solarlux represents intelligent, reliable and highly flexible project execution. Difficult installation situations or hard-to-access construction sites are taken into account right from the start. This means that the right element is in the right place at the right time – just in time and without risky and expensive intermediate storage.

MEASUREMENT

The highest quality from the beginning: for orders to be processed smoothly, precise site measurement is the basis for accurate work planning and production. That is why we only use specially trained technicians who precisely and accurately measure your building project – to the highest standards.

PRODUCTION AND COATING

Even during production, quality and precision take centre stage. All Solarlux systems are handmade exclusively at the headquarters in Melle near Osnabrück. All profiles receive their coating in the in-house coating plant in the 5,300 m² shielded, dust-free cleanroom. Since early 2017, Solarlux has also been certified as a premium coater with the GSB seal. What's more, the additional "Sea Proof" seal certifies particularly high standards, which is especially important in extreme weather conditions or coastal locations.





CONSTRUCTION MANAGEMENT AND INSTALLATION

A high degree of pre-fabrication allows rapid on-site assembly without the need for elaborate customisation. What arrives at the construction site fits perfectly. Our site supervisor ensures the optimum preparation of work and a smooth assembly process in compliance with the timing specifications. Solarlux installers or certified subcontractors will carry out the work. The combination of these individual factors assures you that with us, your order is in the most capable hands.

COMPLETION AND ACCEPTANCE

The factory production control ensures smooth process flows so that every production step runs optimally. This is how we guarantee top quality. Short delivery times with maximum quality are simply a matter of course for Solarlux. Once the project is complete, we carry out a joint acceptance test with your contact person. This allows us to make sure that everything will be just how you want it to be.

THAT'S SOMETHING YOU CAN RELY ON

*Quality and industry knowledge
at the highest level*

The sophisticated profile and fitting technology enables individual glazing solutions for every construction situation. Made in Germany – this applies to the development as well as the manufacture of all Solarlux products. For structural and architectural requirements, bespoke solutions are developed for your project within the in-house research and development department.







Even the Solarlux head office in Germany is naturally equipped with a glass facade.

EXPERTISE AT THE HIGHEST LEVEL

Solarlux is distinguished not only by high-quality systems and solutions, but also by the fact that we truly understand your needs. Due to our many years of experience, we know exactly which issues you are dealing with: avoiding vacancies, long-term rentability and increasing the attractiveness of your real estate, energetic renovation as well as sensible investments are just a few areas. As a partner of the European training centre for the housing and real estate industry, we keep pace with the evolving times.

INTERNATIONAL EXPERIENCE

We are distinguished by national as well as international project experience - and that goes far beyond European borders. Projects are carried out either by our subsidiaries, for example in the Netherlands, the UK or Scandinavia, or by our long-term partners in the USA, Asia or Australia. This is how building solutions were developed by renowned architects in European metropolises such as Vienna, London and Amsterdam, as well as in Singapore, New York and São Paulo - equipped with products from Solarlux in the usual quality and, of course, "Made in Germany".

CERTIFIED QUALITY

National and international certificates attest to the durability, quality and expertise inherent in Solarlux systems - all featuring the CE mark. Solarlux systems can also demonstrably meet the special requirements of the housing industry: hurricane-tested bi-folding doors are used on high-level floors for special static requirements. The balcony and facade solutions come complete with an exceptional sound reduction index and have won several innovation awards.



OUR CERTIFICATES

- Quality management according to ISO 9001
- Internal production checks according to DIN EN 1090
- Environmental certificate according to ISO 14001 for sustainable production and work processes
- Certificate according to DIN EN 1627 for burglar-resistant components
- Burglar resistance according to RC3 (depending on the system)
- CE marking for product safety according to EU requirements



PAST AND
FUTURE - WE
RESPECT *both*

ABOUT SOLARLUX



SOLARLUX CAMPUS / MELLE, GERMANY

EMBODYING OUR CORPORATE
CULTURE: THE SOLARLUX CAMPUS
NEVER FAILS TO IMPRESS WITH ITS
OPEN ARCHITECTURE

A SPECIAL FAMILY-OWNED COMPANY

Down-to-earth, innovative and passionate

For more than 35 years, Solarlux has represented exceptional quality in the production of bi-folding doors, glass extensions and facade solutions. Founded by Herbert Holtgreife and based in the town of Melle, north-west Germany, the company is now managed by Holtgreife's son, Stefan. But the real driving force behind Solarlux is its employees: A workforce of around 850 imaginative men and women is vital for the success of the leading system provider.

EXPERIENCE THE PRODUCTS LIVE

Our showroom

Our almost 3,000 m² showroom at our German headquarters offers exclusive balcony and facade solutions as well as glass extensions such as conservatories and glass canopies. You will learn more about the quality and the numerous possibilities of Solarlux in real application situations. We also display our product solutions at various showrooms in other national and international locations.

International sites

SOLARLUX AUSTRIA GMBH (OFFICE)

Grabenweg 64 · 6020 Innsbruck
T +43 512 209023

SOLARLUX ESPAÑA S.L.

Calle de Téllez nº 27 · 28007 Madrid
+34 93 760 9471

SOLARLUX FRANCE SARL

145 Avenue du 12 juillet 1998 Bat. B08
13290 Aix en Provence
T +33 442 673099

SOLARLUX NEDERLAND BV

Marie Curiestraat 2 · 7442 DP Nijverdal
T +31 548 631323

SOLARLUX SCANDINAVIA AB

Grimsbygatan 24 · 211 20 Malmö
T +46 40 456190

SOLARLUX (SCHWEIZ) AG

Dellenbodenweg 5 · 4452 Itingen
T +41 61 9269191

SOLARLUX SYSTEM LTD., UK

Unit 5, Quadrant Park
Hertfordshire, AL7 1FS
T +44 1707 339970

NANA WALL SYSTEMS, INC., USA

100 Meadowcreek Drive #250
94925 Corte Madera
T +1 800 873 5673

German sites

HAMBURG (OFFICE)

Jessenstraße 10 · 22767 Hamburg
T +49 174 3368068

MELLE (HEAD OFFICE)

Industriepark 1 · 49324 Melle, Germany
T +49 174 3368006

KAUFBEUREN

Innovapark 21 · 87600 Kaufbeuren
T +49 174 3368057 (Linara GmbH)

MUNICH

Designerwerkschau · Fruchthof München
Gotzinger Street 52b · 81371 München
T +49 174 3368049

MÜNSTER

Weseler Str. 253 · 48151 Münster
T +49 174 3368006

NUREMBERG

Großreuther Straße 70 · 90425 Nürnberg
T +49 174 1580343 (Schultheiß Projekt-
entwicklung AG)

STUTTGART

raumPROBE Stuttgart
Dieselstraße 32 · 70469 Stuttgart
T +49 151 29262156

WIESBADEN (OFFICE)

Dantestraße 33 · 65189 Wiesbaden
T +49 151 29262156

REFERENCE LIST

An overview of our projects

On this list, you will see all the references in this brochure, listed in chronological order. Should you have any questions about the projects, please quote the specified reference number.

PAGE	NAME	SYSTEM	ARCHITECT	COUNTRY	REF. NO
2 - 5	Apartment building in Dublin	SL 25	Bucholz MCEvoy Architects	Ireland	00008
6	Apartment building in London	SL 25	-	England	00821
8 - 9	Apartment building in Leiden	SL 35	Groosmann, Rotterdam	The Netherlands	00455
10 left	Apartment building in New Brighton	SL 25	FCH Falconer Chester Hall Architects (GB)	England	01301
10 right	Apartment building in Hamburg	SL 25 Modular	APB. Architekten BDA Grossmann-Hensel Schneidern Andresen	Germany	01403
11	Apartment building in Ulm	SL 25	Braunger Wörtz Architekten, Ulm	Germany	01094
12	Apartment building on Oosterdokseiland in Amsterdam;	SL 60e	HVDN + Studioninedots, Amsterdam	The Netherlands	01177
13 - 15	Apartment building in Leipzig	SL 25 Modular	S&P Sahlmann Planungsgesellschaft, Leipzig	Germany	01125
16	Apartment building in Pforzheim	SL 60e Modular	-	Germany	00119
19 - 21	Neustadt Carré in Osnabrück	Ecoline	PLAN.CONCEPT Architekten GmbH	Germany	01417
24	Concept House at TU Delft, Rotterdam	Combiline	TU Delft	The Netherlands	01520
25	Showroom Osnabrück	Woodline	-	Germany	01330
28 - 29	Tasman Toren Groningen	SL 60e Modular	WAL Architects Groningen, NL	The Netherlands	00110
30 - 31	Apartment building in Bad Aibling	SL 60e Modular	Blaesig Architekten GmbH, Bad Aibling	Germany	00995

PAGE	NAME	SYSTEM	ARCHITECT	COUNTRY	REF. NO
33	Zeewolde	Ecoline Modular	HBN Architecten	The Netherlands	01590
34 - 37	Apartment building in Lübeck	SL 25 Modular	Architekturbüro Wolfgang Kriese	Germany	01435
38 - 39	Apartment building in Dublin	SL 25	Seán Harrington Architects	Ireland	00020
41	Apartment building in Hamburg-Lurup	SL 25R Modular	LRW Loosen, Rüschoff + Winkler - Architekten (Planning), KBNK Architekten GmbH (Construction Management)	Germany	01591
43	Apartment building in Haar	SL 20	bogevischs buero	Germany	01598
44	Apartment building in Berlin	SL 23	-	Germany	01528
46 - 47	Apartment building in Hamburg	SL 25 Modular	APB. Architekten BDA Grossmann-Hensel Schneidern Andresen	Germany	01403
48	Apartment building in Hamburg	SL Plus	Czerner-Göttsch Architekten, Hamburg	Germany	01061
50 - 51	Apartment building in London	SL 25	Hunters, London	England	01583
52, 56 - 57	New forum in Hamburg-Altona	SL access balcony glazing	nps, Hamburg	Germany	00697
54 - 55	Langenhorner Chaussee	SL access balcony glazing	Rüdiger Nickel Architekten	Germany	01593
60 - 61	Hotel Sand, Timmendorfer Strand	cero III	Falk Planungsbüro, Lübeck	Germany	01586
58, 62	Company building in Glatten	cero II	HaasCookZemrich, Stuttgart	Germany	01277
66 - 67	Holiday homes in Binz on Rügen	cero III	Prora Solitaire Immobilien GmbH	Germany	01335
68	Apartment building in Leipzig	SL 25 Modular	S&P Sahlmann Planungsgesellschaft, Leipzig	Germany	01125

SOLARLUX DIGITAL

Stay up to date

Projects, references, news – the world of Solarlux moves fast, and an image is sometimes worth a thousand words. What more reason do you need to visit our website or the mySolarlux portal, or to follow us on social media?

But it should go without saying that, even in this digital age, we love hearing from you directly and answering your questions in person or on the phone. So don't delay – contact us today! Whether you'd like a zero-obligation consultation session, a sketch of your personal idea, or simply an answer to your question, there are plenty of ways to get in touch with us.



