



BALCONY & FAÇADE DESIGN



Navigation

Hope for existing urban environments	Page 4 - 5
Sustainable and resource-friendly renovation - Solarlux offers future-proof concepts.	
New build or renovation - added value for house and residents	Page 6 - 9
Use and enjoy open spaces - come rain or shine: arguments in support of individual balcony and façade designs.	
Balcony glazing	Page 10 - 13
Preserve the character of balconies and expand living space with flexible glazing.	
Glazed curtain walls	Page 14 - 17
Complete pre-fabricated units that protect building structures and improve the appearance and energy efficiency of properties.	
Retrofit balconies	Page 18 - 19
Beat the competition to attract the right tenants: fully glazed retrofit balconies from Solarlux offer added value.	
Walkway glazing	Page 20 - 21
The glazing acts as a protective shell against the climate, reduces the risk of accidents in snow and ice and provides a weatherproof access to apartments.	
Perfect service	Page 22 - 25
Not only are the products from Solarlux first class, its customer services, planning, execution, logistics and product development also set the benchmark for quality.	



Renovation - Hope for existing urban environments

Add a new dimension of light and space with sustainable architecture: there are a number of ways that our innovative systems for balcony and façade design add value to a property. Enhanced living, comfort and a noticeable gain in living space increase the appeal of a property and ensure your long-term ability to find eager tenants. Our aesthetic façade design offers the perfect marriage of energy optimisation and precision-fit building protection.

Urban living in central locations; landmark town quarters in a mature neighbourhood: this is the type of area that offers the greatest opportunities for resource-friendly renovation. Innovation with a system: Solarlux's future-oriented concepts are geared towards the ecological and economical demands that drive change.





New build or renovation

Added value and comfort for house and residents

By breaking down the boundaries between indoors and out, you can enhance every aspect of your living space. With Solarlux, you can: improve your lifestyle, boost energy efficiency, redefine architectural styles and effectively add value to your property. With bespoke solutions, you can open up new dimensions without losing any freedom of space. Whether you want to glaze or renovate an existing balcony, or enhance the value of your property by retrofitting a completely new balcony, Solarlux offers flexibility.

Our thermally insulated system solutions give you the best of both worlds - enabling you to increase your living space and still retain the open-air aspect of your balcony. As the market-leader in folding glass doors we offer you a large selection of different systems for every application, made of aluminium, wood or wood/aluminium. The highest thermal insulation of the profiles combined with innovative glazing provides constant all-year-round indoor climate and meets the requirements of the latest energy saving regulations - for a greater room quality without drafts and related energy losses. Make the most of your property: with Solarlux glazing, you can increase your living space, comfort and, above all, the appeal of your property to potential tenants!





Light and air

Urban balconies are blossoming as city-dwellers seek to create their own "green living rooms". However, even with balconies it's not easy to create the perfect surroundings. Balconies are vulnerable to noise, the cold, the wind and the rain - unless of course, you have Solarlux flexible glazing - then you can enjoy the added light, air, space and comfort this affords all year round.

Your own island of tranquillity

The main disadvantage of inner-city living is often the interminable soundscape. Solarlux balcony glazing provides optimum sound insulation, which means you can finally enjoy peace and quiet outside too. Glazed balconies create an island of tranquillity - all of the view, and none of the noise!



Come rain or shine

If you can only use your balcony when the weather's fine, you're missing out on real quality of life. With perfect weather protection, Solarlux ensures year round enjoyment of your balcony: rain is repelled, the wind is shut firmly out - and you can carry on enjoying the pleasures of your balcony - any time, and in any weather.

Summer and winter

Everyone hates to see those last rays of sunshine disappear, making way for the cold and grim winter season! But now there's no need to beat a retreat from the wind and the rain: with the flexible luxury of a Solarlux balcony, you can enjoy your balcony all year round knowing you're protected whatever the weather.



Balcony glazing

Open air or closed protection

Solarlux balcony glazing not only increases the usability of your balcony, it is also the ideal way to add value to your property. Whether you are dealing with a new build or the renovation of existing buildings, this movable glazing offers optimum protection for open living spaces.

Whether installing on top of existing parapets or as floor to ceiling high elements, whether thermally insulated or not, whatever system you choose, the original character of your balcony is preserved. All glazing systems can be opened across their entire width: the panels fold elegantly together to form a slim package that can be parked at the side and which does not spoil the view. Easy to use, easy to clean - even the outer panes are easy to reach and clean from the inside.





SL 25

Proven transparency

The SL 25 all-glass slide-and-turn system offers protection against wind, rain and noise for virtually any floor plan.

- Key features
- | 27 mm installation depth
 - | 6 and 8 mm Heat Soaked Glass
 - | Permanently vented system, no vertical frames
 - | Transparent corner - no load-bearing corner posts
 - | Sound insulation: 17 dB
 - | European Technical Approval (ETA)

SL 25 XXL

Maximum perspectives

With storey-high glazing, this all-glass slide-and-turn system provides certified stability against high wind loads.

- Key features
- | 31 mm installation depth
 - | 8 to 15 mm Heat Soaked Glass
 - | Panel heights: up to 2750 mm
 - | Permanently vented system, no vertical frames
 - | Sound insulation: 17 dB
 - | European Technical Approval (ETA)

SL 25R

Perfect frames

The slim frame of this slide-and-turn system ensures improved impermeability and more effective sound insulation.

- Key features
- | 27 mm installation depth
 - | 6 and 8 mm Heat Soaked Glass
 - | In-line support, with vertical panel profiles
 - | Resistant to driving rain
 - | Slim panel joints of only 46 mm ensure maximum view
 - | Sound insulation: 25 dB

SL 60e

Thermally insulated living comfort

The folding glass door offers impressive heat insulation with slim sections and transforms the balcony into a fully usable living space.

- Key features
- | 59 mm installation depth
 - | Thermally insulated or triple glazing, $U_w \approx 1,10 \text{ W/m}^2\text{K}$
 - | Meets the requirements of the Energy Saving Regulations (EnEV)
 - | Glass thickness: 5 to 40 mm
 - | Sound insulation: up to 45 dB
 - | Burglar resistance RC2 (new European regulations)



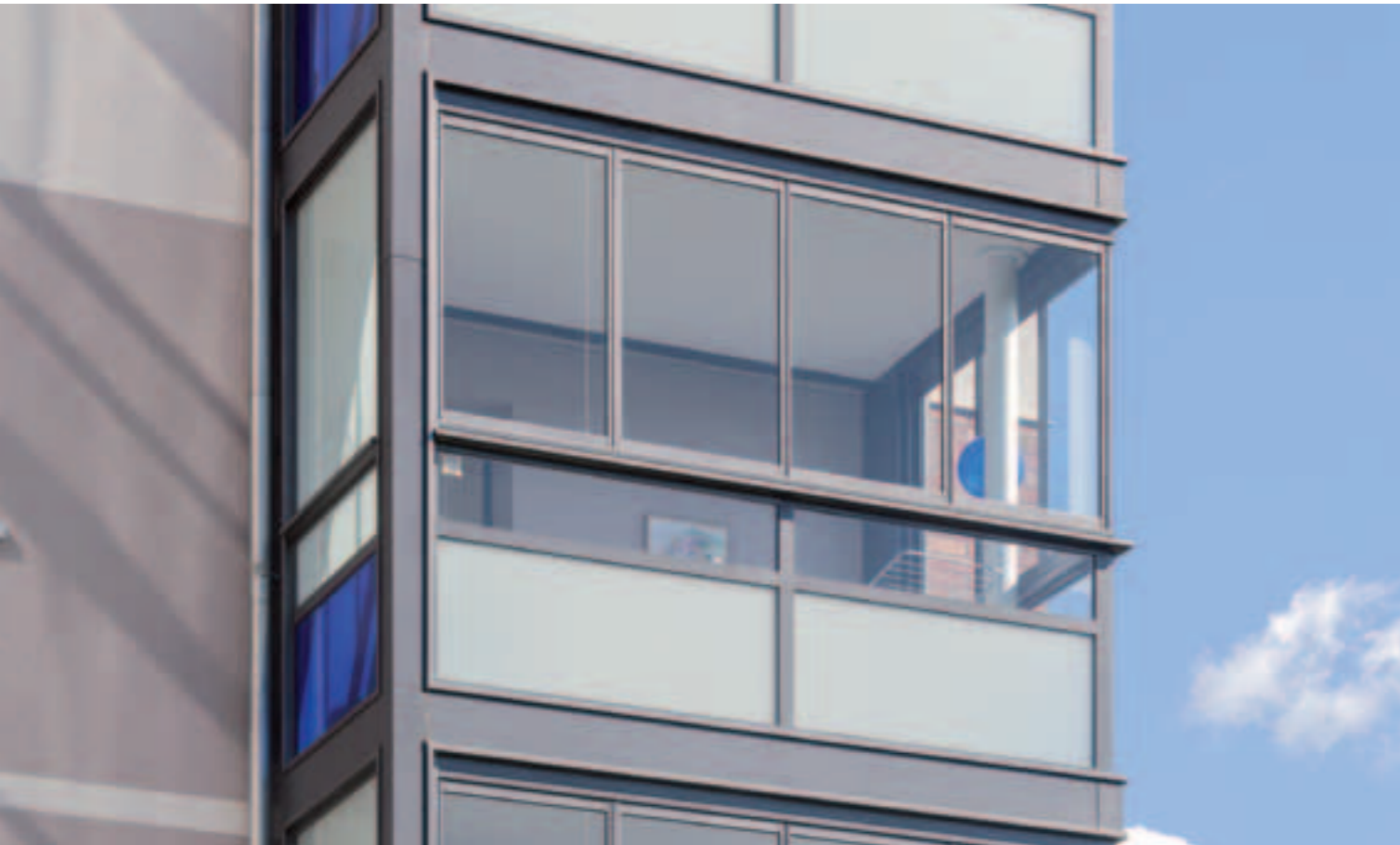
Glazed curtain walls

Maximum creative scope and comfort

Enjoy greater comfort on your balcony, protect the building structure and improve the appearance of the façade: if, apart from renovating your balcony, you also wish to improve the appearance and energy efficiency of the entire building, then our glazed curtain walls are the ideal system for you! This complete curtain system provides an additional outer skin that not only boosts energy efficiency but also permanently protects the building structure against the elements.

The Solarlux SL modular system combines balcony parapets and glazing to form a single unit. All static elements, from the surrounding frames to the parapet, come pre-fabricated as a thermally insulated or non-thermally insulated system. This accelerates on-site installation of the modules and glass elements and keeps disruption for residents to a minimum. Even elements up to a width of six metres are supplied as a single unit and can then be installed quickly, easily and precisely using a crane.





SL Modular non-insulated

The modular system comprises bespoke parapet elements and flexible non-insulated glazing (SL 25 or SL 25R), which are pre-assembled to form a perfect ready-to-install unit.

Key features

- | Sound insulation: up to 27 dB
- | Individual parapet design
- | Turn balcony space into usable living space with these glazed curtain walls
- | Improves thermal insulation
- | Fast installation times



SL Modular heat-insulated

The thermally insulated version of this modular system, SL 60e folding glass door, enables an impressive increase in usable living space and comfort.

Key features

- | Sound insulation: up to 45 dB
- | Individual parapet design acc. to TRAV
- | Meets the requirements of the German Energy Saving Regulations (EnEV)
- | Improves thermal insulation
- | Fast installation times



Retrofit balconies

All-in-one solution

Retrofitting balconies is one of the most popular renovation measures in the residential property sector. Retrofit balconies from Solarlux offer considerable added value: offering shelter against the elements and noise pollution and our expertise in providing glazing solutions to balconies ensures year round enjoyment of your balcony

Made of steel columns, parapet elements and glazing, the innovative retrofit balconies are supplied pre-assembled and can be installed in a minimum of time. The unit is self-supporting and therefore only requires minimum bonding with the building structure, thus preventing the formation of thermal bridges that waste energy.

But flexibility is not just the trademark of our glazing. Having made the decision to upgrade your property with Solarlux retrofit balconies, you can of course choose other partners for the installation work, or opt for the all-in-one solution service offered by Solarlux, whereby we undertake the planning, co-ordination of all assembly sections as well as providing advice on construction.





- Navigation
- Hope for existing urban environments
- Added value for house and residents
- Balcony glazing
- Glazed curtain walls
- Retrofit balconies
- Walkway glazing**
- Perfect service

Walkway glazing

Safety in style

Solarlux glazing solutions provide walkways with permanent weather protection, reduce the risk of accidents in rain, snow or ice and considerably reduce the amount of noise pollution to which apartment occupants are exposed. Walkway glazing acts as a protective shell against the climate and improves the energy efficiency of the building. It also provides long-term protection for building structures, increasing the value and quality of a property.

SL walkway glazing runs on a multi-track rail and can also be fitted with optional smoke and heat ventilation if required. Ideally tailored to the conditions and requirements of multi-storey buildings, it also satisfies the criteria of the fire protection regulations. In the event of a fire, the glass panels are automatically opened via a mechanical drive system, thus ensuring that escape routes remain smoke-free. The glass panels are also quick and easy to move manually at any time, e.g., for cleaning purposes.





Photo: Michael Hiemer

- Navigation
- Hope for existing urban environments
- Added value for house and residents
- Balcony glazing
- Glazed curtain walls
- Retrofit balconies
- Walkway glazing
- Perfect service

From the wish to the idea, from the vision to the solution

Your wishes are our starting point: based on the very first sketches of your new property, or a joint on-site assessment of your existing property, we can start developing a tailor-made solution that meets your individual requirements. You decide the level of support you require - whether you want our all-in-one solution which includes design, planning, processing and installation - or whether you want us to develop and implement your own designs. Our team of architects, consultants and technical engineers can supply the innovative technology and many years of professional know-how.

Proven technology, applied innovation

Made in Germany - this applies not only to the development, but also the production of all Solarlux products. Test certificates issued by national and international institutes (such as ift Rosenheim, Architectural Testing, ISO 9001:2008, CE , ETA) ensure the highest internationally recognised degree of quality and product safety. Geared to the market, ahead of the competition: we rise to the challenge - if structural and architectural requirements cannot be met with anything currently available on the market, we will develop our own solution to meet your needs. Our high degree of flexibility makes us a globally renowned partner.



Intelligent logistics, from A to Z

We see logistics as more than just ensuring transport from A to B. From the initial planning phase, through to acceptance of the finished construction, from individual performances, through to complete building construction management: Solarlux stands for reliable job execution and extremely high temporal and spatial flexibility. Our schedule takes into account complex installation situations or difficult to reach building areas from the very outset. This means that the right component is in the right place at the right time - just in time and without any high-risk interim storage.

Our installation maxim: perfection

Thanks to precise measurements and comprehensive planning, all Solarlux systems are pre-assembled as far as possible: we guarantee the perfect fit of all supplied components - no need for last-minute on-site modifications! Our building site manager ensures the optimum preparation of all construction work and the smooth operation of all installation work. We always have Solarlux installation engineers or specially trained professionals from long-term partner companies on-site and on the job! All these factors combine to give you the assurance: we will make your vision a reality.





