



**With style.
Without frame.**

**Reduction to the essential.
Open spaces.**

We believe in modern living spaces which give greatest possible freedom and question long-standing operating principles. When everything merges into one unity and limitations belong to the past, we at burckhardt's glide speak of a feeling of freedom. Exactly this feeling is represented by our unique glass facade system with sliding windows having their frame embedded flush with wall, ceiling and floor.

We have created a totally new way of aesthetics - besides that we care for excellent building-physical properties and peak values.
Use has never been so aesthetic, burckhardt's glide®, the frameless window.





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Smooth transitions and maximal frame reduction.

burckhardt's glide® represents maximal frame reduction, smooth transitions and rooms flooded with light. The triple glazed and Minergie-P-certified glass facade system convinces with exceptional looks and excellent building-physical properties.

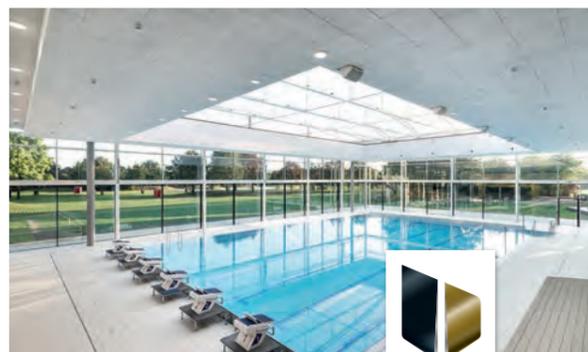


Fibreglass. The material.

Regarding the idea of sustainable building, fibreglass is the innovative material for a timeless and durable home.

The fibreglass profiles are installed as blind frames and sash profiles. These are a decisive factor regarding the thermal insulation value and continuously consist of isolation material. All haptic and visible parts are made of aluminium.

- > absolutely weather-resistant
- > high stability and durability
- > low emission in production and use
- > high thermic insulation capability
- > 100% recyclable
- > individual possibilities for surface finishing
- > value increase of property



We combined the core materials fibreglass, aluminium and glass in a way, that something totally new and unprecedented has emerged – burckhardt's glide®, the unique frameless sliding window system.

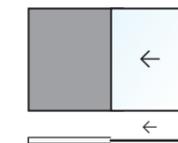


Fächerbad Karlsruhe.
Europe's largest frameless sliding window facade with a length of 54 metres.
Element sizes: 3 m x 4 m.
Opening mechanism: electric and manual



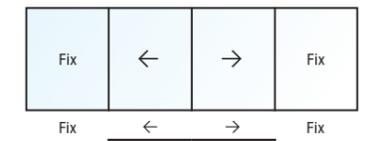
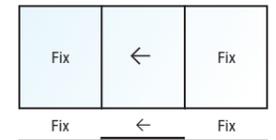
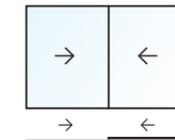
burckhardt's glide® offers a variety of opening types.

Design examples:

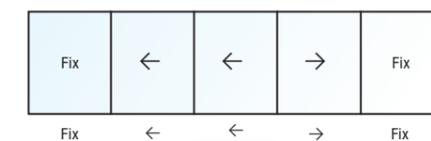
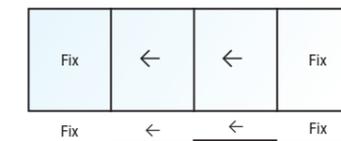
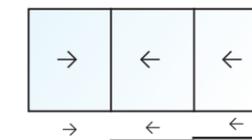


one-triple-track | window sash can be moved behind wall (pocket-solution).

double-track

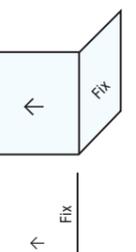
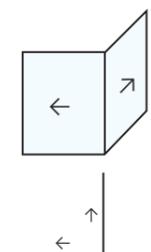


triple-track



Corner area

Open, post-free corner solution.
Can also be combined 1-3-track.

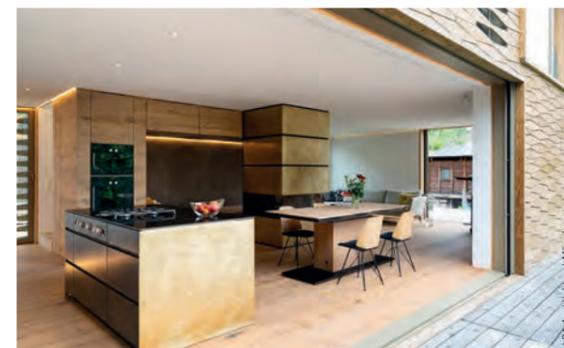


Opening types.

burckhardt's glide® frameless sliding window system offers a variety of possibilities regarding the arrangement of window sashes thanks to clever and approved detail solutions. The blend profiles can be combined in various ways - single track solutions as well as solutions with up to four tracks are possible. Our system can also realise pillar-free corner solutions and customised special solutions. We are always open for new concepts and will try to implement your ideas according to your wishes.



All-glass corner



Pocket-solution



Open pillar-free corner solution



The perfect combination of function and design. A clear, minimalist form language and smooth transitions.

That is what burckhardt's glide stands for - the frameless sliding window system.



Threshold types.

Boundaries between the outside and inside disappear and everything merges into one large room. Smooth and barrier-free transitions from the outside to the inside and clear lines offer a maximum of comfort, security and aesthetics.

The system impresses with its high-quality construction and excellent design with three different threshold types.



Drainage.

The burckhardt's glide® drainage system is unique in the field of frameless windows and can perfectly be adjusted to various structural conditions. There is no danger of leakage of the profiles due to its geometry and its production process in one piece. The rear parts can thus be drained easily.

burckhardt's glide® scores with an internal drainage system and can be completed with an additional drainage channel.

- > safe and easy drainage thanks to the special geometry of the fibreglass profile
- > thought out special connection in the joint area
- > drainage can be connected to the drainage system on site



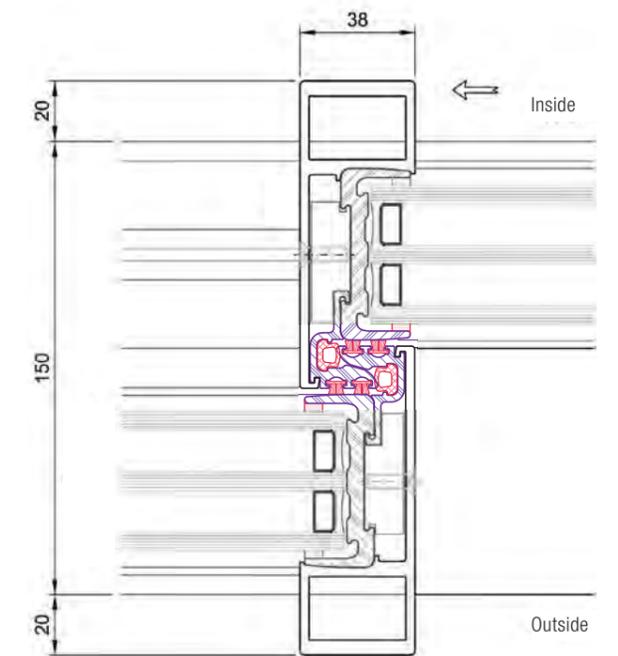
Fig. Drainage channel



Sealing.

burckhardt's glide® sliding windows are tested and certified regarding air permeability, wind load and water tightness in heavy rain. We have reached outstanding physical construction values. We thus meet high requirements concerning wind and weather protection.

The brush sealing with a central membrane, various EPDM-sealings and sliding profiles secure a high tightness. They additionally ensure high protection regarding sound emission together with an easy handling.



The small, interlocking middle profiles (labyrinth profiles) ensure an excellent tightness in closed position and are characteristic for the puristic look of the sliding window system.

The middle profiles are available in two sizes:

- 26 mm visible width and
- 38 mm visible width



Element sizes.

burckhardt's glide® opens rooms - elegant and spacious. The room-high large scale sliding windows are easy to use manually and are also available with electrical drive upon request. Large-size elements can be opened and closed nearly noiselessly at the push of a button.

Due to the thought out wing profile adhesive technology the elements appear to be in an integrated frameless optic.

This unique object is located at the edge of Lake Constance and convinces with its six-part frameless sliding element with a width of 12m and a length of 4m. The sliding windows had to be installed in a way that the entire facade can withstand a wind load off-set of 25mm on each side.





LSA Architekten | München

burckhardt's glide® world of colours.

The filigrane, frameless window design gives every room a visual lightness and transparency and consciously links it to the surrounding nature outside. The diversely selectable colour design of our elements offers a large additional selection for our customer's colour design. There are infinite colour design possibilities of the surfaces regarding the anodised and powder-coated types. They can be individually customised.

There are no limits to your creativity, you can realise your version of colour and form and match the colour design of the profiles with your interior and architectural concept.





Closures.

The opening and closure of the burckhardt's glide® sliding elements is comfortable, easy and secure. The design of the high-quality window handles fits - for all closure options - ideally with the clear form language of the filigrane middle profiles.

Whether sliding element or fixed glazing - we aim at a clear and puristic overall look with a visible width of only 38mm.



Hidden middle lock



Edge lock



Corner lock



Centered interlock



Automation.

Make yourself comfortable and lean back: burckhardt's glide® automated solutions offer the highest standard with a maximum ease of use and comfort due to our intelligent sliding door drive. Thanks to its small size, the electrical drive can be invisibly integrated in the blind frame profile.

You can thus integrate your room-high sliding elements into the in-house smart-home-system and can open and close it with your phone or tablet.

- > intelligent sliding door drive (smart motor)
- > BUS-capable (connect to home automation)
- > telescopic drive
- > ventilation position with time control
- > corner solutions
- > control possible through sensing device or smart home





Security.

burckhardt's glide® ensures security and protection at the highest level. We can offer a maximum of object - and personal protection with our extremely stable frame basis construction and additional mechanic and electric safety components.

You can check and operate the status of your frameless sliding windows worldwide via your smart-home-system easily. Should the position - or lock monitoring trigger the alarm, you can be informed through the accompanying app.

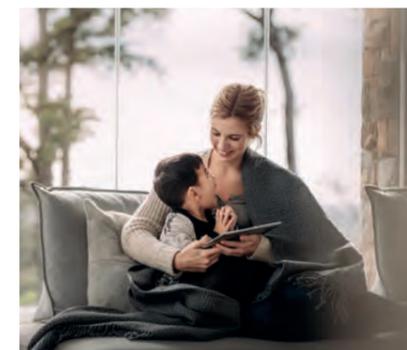
Mechanical components *

- > RC2I RC3 - certified
- > locked ventilation position
- > safety glass/bullet-resistant glass
- > multipoint locking-system
- > anti-lift device

Electronic components *

- > position monitoring of sliding wings
- > lock monitoring
- > glass-breakage sensor
- > monitoring components combined with alarm system

* depend on element and size.



You will always have a good and safe feeling with our compatible and certified security components.



Hurricane.

burckhardt's glide® sliding windows have passed the hurricane test in the US which is one of the most challenging tests regarding statics and tightness with water. The window system undergoes various quality tests. Suction and pressure, which occurs with buildings in extreme storm zones, is for example simulated in the testing process. The window is here tested regarding air inlet and water intrusion. In order to stimulate hurricane occurrences, the window frames and glass are also watered intensively and bombarded with wooden posts.



Equipment options.

More space for comfort, security and design. To make sure that everything is perfect and a harmonious unity we offer a wide range of equipment options with our system accessories.

- > sun protection: screen | blinds | shutters
- > rail filler
- > sliding door with profile locking cylinder for outside access
- > insect protection
- > all-glass balustrades for fall protection
- > integrated tilt & turn windows
- > integrated ventilation flaps for over night cooling



Integrated ventilation flap



Glass railing



Rail filler



Profile lock cylinder



Insect screen



Sustainability.

Modern architecture is only modern if aesthetic aspects and a sustainable energy concept are combined.

The profiles decisive for the thermal insulation value are consistently made of insulation material and result in a frame insulation value of $U_f=0,9\text{W/m}^2\text{K}$. Thanks to the triple glazing we reach outstanding U_w -values which will meet future legal requirements. This protects against overheating in summer and saves energy in winter.

- > best possible thermal insulation value, U_w -value below $0,8\text{ W/m}^2\text{K}$ possible
- > MINERGIE-P-certified
- > triple glazing
- > fibreglass profile exclusively consists of insulation material (composite material)
- > tested U_f -value = $0,9\text{ W/m}^2\text{K}$

- > significantly more favorable life cycle assessment than aluminium
- > life cycle assessment plus excellent U_f value = less greenhouse gas emissions
- > profiles are fully recyclable
- > sustainable reduction of heating energy requirement



Make values visible. Live principles.

We create a symbiosis between architecture, function and design. Our striving for perfection lets us find new detail solutions for complex projects. We do not only plan but implement our developed system advantages as best as possible.

This is our vision: creativity does not need a frame. Creativity needs a clear view.

We consider ourselves as a unity.

We are burckhardt's glide® - the frameless window. We are more than just a brand though. burckhardt's glide® belongs to the Burckhardt Metall Glass GmbH located in Isernhagen near Hannover:

A traditional, medium-sized company run in the third generation and belonging to the family-run company BURCKHARDT GROUP with more than 300 employees.

Almost one century of facade engineering have been complemented with our know-how in the market segment of frameless sliding windows for more than 15 years now. We have implemented various projects and are specialists not only in Germany but worldwide.

We are constantly enhancing our product quality by doing development work. Our employees live our product and pass their passion to your construction project: with many years' experience, precise craftsmanship and industrial production technology. Quick, reliable and flexible. burckhardt's glide® - the frameless sliding window system is the realisation of your personal and individual living dream.

We have an outstanding network.

In order to ensure our quality standards widely and to also offer our clients regional contact persons, we work together with trained and exclusive partners nationwide and globally. You can rely on our extensive services. Whether you need support regarding the technical implementation, assembly or maintenance - we are always there for you.



“Living” - with nature...

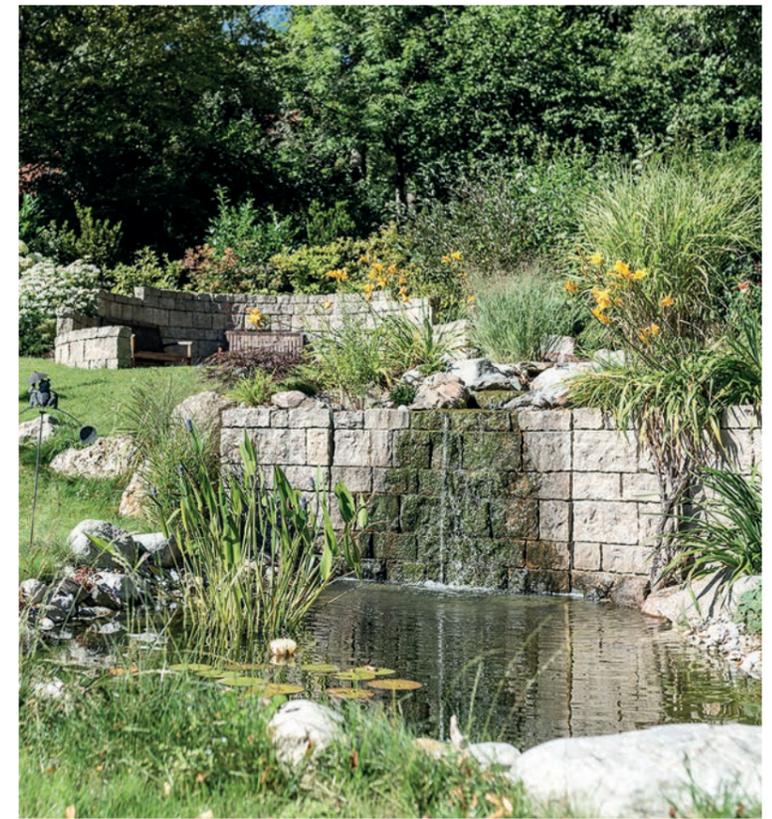
When planning this family-home (energy-plus house, CO2-neutral), aspects of an open architecture and a holistic, energy-efficient building concept were most important for the planning team Ursula Schiefele-Hamp (architect) and Friedrich Hamp (engineer building technology).

Architect: “The clients wished to realise a living which is energy-efficient and closely connected to nature. We thus paid attention to a generous light-flooded facade which also takes into account energetic and environmentally friendly aspects of glazing.”

The smooth transition from inside to outside could be ideally realised thanks to the nearly frameless large-size sliding elements from the company BURCKHARDT. This “glide”-view creates a wonderful synergy between modern architecture and originality.



The three-part sliding element (height: 4,20 m/width: 6,39 m) towards the garden is a special eye-catcher among the various frameless glazing as corner- or balustrade elements. The system developed by burckhardt's glide® can be opened barrier-free towards the garden.

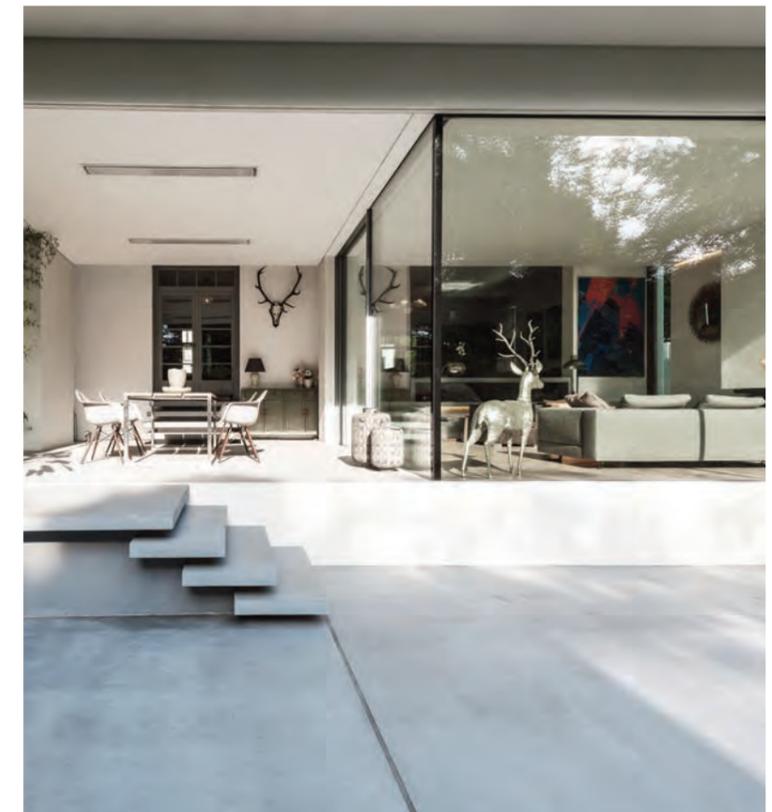


Construction in existing contexts.

There was the desire to enlarge a typical German “Kaffeemühlenhaus” from the 1930s in a grown quarter. A spacious living room with a large terrace in front and a roofed outdoor seating as well as two new rooms in the first floor with frameless sliding windows were attached in a modern way. The support structure consists of 76 exposed concrete components. Highest precision was required by all involved parties regarding the planning, production and implementation. Smooth transitions between inside and outside were created through the focus of the house towards the garden and the frameless sliding windows by burckhardt’s glide®. The floating view from the living area to the garden enlarges the architectural dimension of the building optically.

Eckhardt Bade, the responsible engineer, explains why the statics of this single-family house became a particular challenge:

“The free-spanning ceiling is almost 12m long. The ready-mixed concrete parts were thus produced with superelevation in order to avoid later problems of deflection. In this context we closely worked together with burckhardt’s glide® from the beginning. The frameless sliding window elements were produced in advance by our experienced and competent partner. The exact planning and precise implementation shortened the construction phase considerably.”



History meets modernity.

The renovated, solitary Richard-Wagner-Home “Wahnfried” was restored into its original condition and was enlarged by a transparent building presenting the history of the Bayreuth Festival on two floors. The new transparent building planned and carried out by Staab Architects due to having won the competition presents a contrast to the rather closed structure of villa Wahnfried and the Siegfried-Wagner-House and also expresses the contrast in the Wagner-Research in political terms.

Only burckhardt's glide® makes this transparency of the more than 100m long glass facade possible. Sliding elements ensuring spacious passages and fixed elements can not be distinguished due to the vertical post profiles with a visible width of 38mm. Such a long facade with only one expansion joint is only possible with burckhardt's®-fix since the unique, invisibly mounted fibre glass frame profile has the same expansion coefficient as concrete.

The new room choreography created by the solitary new building makes it possible to revive the garden and open it to the public in the foreseeable future. burckhardt's glide® has contributed to this result. All involved were enthusiastic about the detailed execution and professional connections inside and outside.





Faculty of Design, Munich University of Applied Sciences

That's why burckhardt's glide®.

The fibreglass profile

- > U_f -value of $0,9W/m^2K$ U_w -value of below $0,8 W/m^2K$ possible
- > frame solely made of high-insulating composite material
- > condensation can be prevented by $-10^\circ C$ outside, $+20^\circ C$ inside
- > mold-freedom even in swimming pools
- > only one third of the extension compared to aluminium

Sealing level in the labyrinth (mullions)

- > 2-4 Brush sealing
- > 2 EPDM Stop sealing

Excellent test values

- > various tests and certificates of recognised institutes

Excellent sliding characteristics

- > rollers and sliding surface made of stainless steel
- > big wheels with two ball bearings make an easy handling of heavy wings possible

Perfect drainage system

- > adaptable to a variety of structural conditions
- > easy and secure drainage thanks to special geometry of the fibre glass profile
- > special connection in the joint area of the frame

Quality and service

- > professional installation by experienced teams
- > regional exclusive partners
- > consultation for architects and developers by facade experts
- > worldwide installation experience
- > ISO 9001 certified





Photography

Piet Niemann
Seiten 6, 7

Bernhard Klug jr.

Seiten 10, 12 (1. Bild v. l.), 16, 18 (1. Bild v. l.),
21, 26, 32 (2. Bild v. l.), 33 (1. Bild v. r.), 39, 43, 44

Ortwin Klipp

Seiten 13 (2. Bild v. r.), 22, 23

Samuel Pietsch

Seiten 18, 19 (großes Bild), 40, 41

Christoph Kraneburg

Seiten 13 (1. Bild v. r.), 17 (Bild v. r.)
32 (großes Bild u. 1. Bild v. l.), 33 (2. Bild v. r.)

