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TGLiso 
24 BT50 • 32 BT60 • 44 BT70

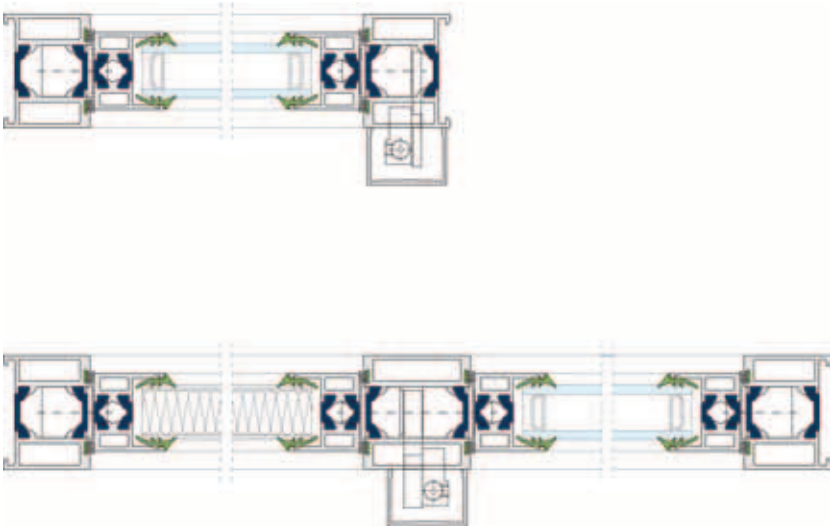
The established and classic EuroLam louvre windows system with circumferentially framed louvre blades has a high proportion of glass. It optimally meets the high requirements of heat insulation, optics, functionality and burglar resistance. In frame depth 60, this element is available in a ball proof version. All elements are available also with sandwich panel filling instead of glass.

RC 3

CERTIFIED

RC 2

CERTIFIED



Football Stadium Fürth, Germany



NSHEV DIN EN 12101-2:2003	
Aerodynamically effective opening area	as per calculation
Functional safety	RE 1000
Functioning under load	SL 0
Functioning in low temperatures	T (-20)
Stability under wind pressure	WL 3000
Resistance to heat	B 300-E
WINDOW DIN EN 14351-1	
Air permeability (EN 12207)	3 (BT 50) 3 / 4 (BT 60) 4 (BT 70)
Impermeability to driving rain (EN 12208)	6A (BT 50) 6A / 7A (BT 60) 7A (BT 70)
Resistance to wind pressure (EN 12210)	C2 (BT 50) C2 / C5 (BT 60) C5 (BT 70)
Heat transition coefficient (EN ISO 10077-1)	up to 1,8 W/m²K (BT 50) up to 1,3 W/m²K (BT 60) up tp 0,97 W/m²K (BT 70)
Sound protection (EN ISO 717-1)	up to 39 dB
Durability (DIN 1191)	3 (equal to 20000 cycles)
Burglar resistance (DIN EN 1627)	RC2 (BT 60) RC3 (BT 70)
Ball proof (DIN 18032-3)	tested (BT 60)
Fall protection (DIN 18008-4)	tested



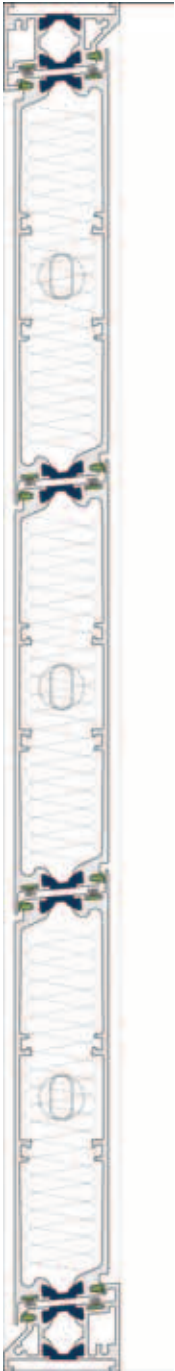
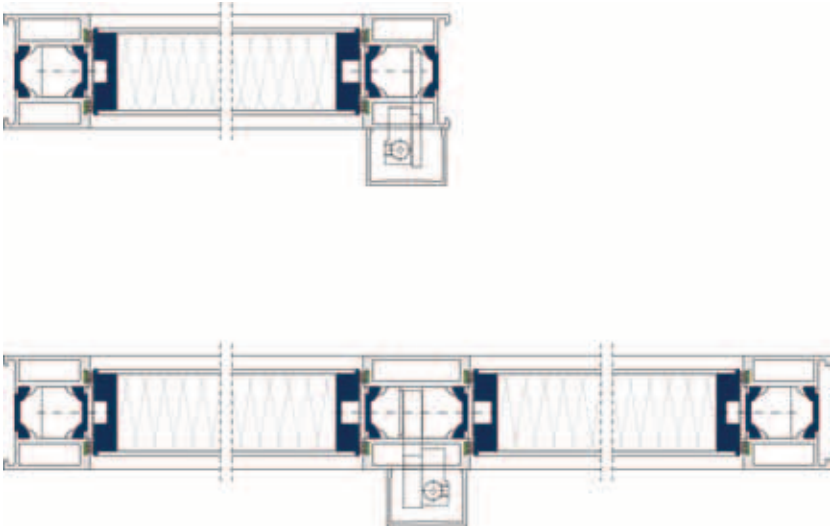
Penkenbahn Mayrhofen, Austria





TGLslp[®]
BT50 • BT60

The attractive EuroLam louvre window system with flaps made of extruded aluminium profiles guarantee a closed façade appearance in conjunction with the ventilation function. The almost flush-mounted design and elegant execution help in achieving high-value and compact optics.



Museum Depot Weimar, Germany



Sapphire Tower Istanbul, Turkey



NSHEV DIN EN 12101-2:2003

Aerodynamically effective opening area	as per calculation
Functional safety	RE 1000
Functioning under load	SL 0
Functioning in low temperatures	T (-20)
Stability under wind pressure	WL 3000
Resistance to heat	B 300-E



WINDOW DIN EN 14351-1

Air permeability (EN 12207)	4 (BT 50) 4 (BT 60)
Impermeability to driving rain (EN 12208)	7A (BT 50) 7A (BT 60)
Resistance to wind pressure (EN 12210)	C5 (BT 50) C5 (BT 60)
Heat transition coefficient (EN ISO 10077-1)	up to 1,8 W/m²K (BT 50) up to 1,3 W/m²K (BT 60)
Sound protection (EN ISO 717-1)	npd
Durability (DIN 1191)	3 (equal to 20000 cycles)
Fall protection (DIN 18008-4)	tested

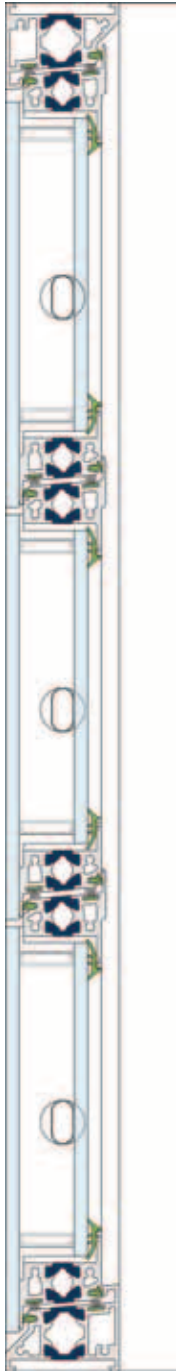
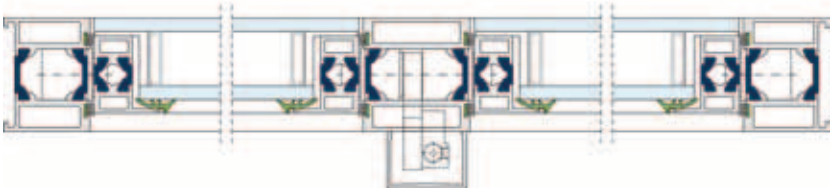
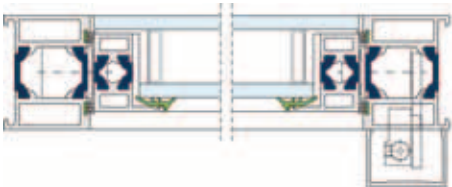




STGiso[®]
36 BT50 • 46 BT60

This EuroLam louvre window impresses with an external structural glazing optics made of stage insulated glass. Based on the classic louvre window, but with minimised frame, it is especially suitable for use in glass façades.

RC 2
CERTIFIED



Deakin University Burwood, Australia



University of Sheffield Sheffield, United Kingdom



NSHEV DIN EN 12101-2:2003

Aerodynamically effective opening area	as per calculation
Functional safety	RE 1000
Functioning under load	SL 0
Functioning in low temperatures	T (-20)
Stability under wind pressure	WL 2500
Resistance to heat	B 300-E

WINDOW DIN EN 14351-1

Air permeability (EN 12207)	3 (BT 50) 4 (BT 60)
Impermeability to driving rain (EN 12208)	4A (BT 50) 7A (BT 60)
Resistance to wind pressure (EN 12210)	C2 (BT 50) C5 (BT 60)
Heat transition coefficient (EN ISO 10077-1)	up to 1,4 W/m²K
Sound protection (EN ISO 717-1)	41 dB (BT 50) 38 dB (BT 60)
Durability (DIN 1191)	3 (equal to 20000 cycles)
Burglar resistance (DIN EN 1627)	RC2 (BT 60)
Ball proof (DIN 18032-3)	tested
Fall protection (DIN 18008-4)	tested (BT 50)

NSHEV
CERTIFIED
EN 12 101-2

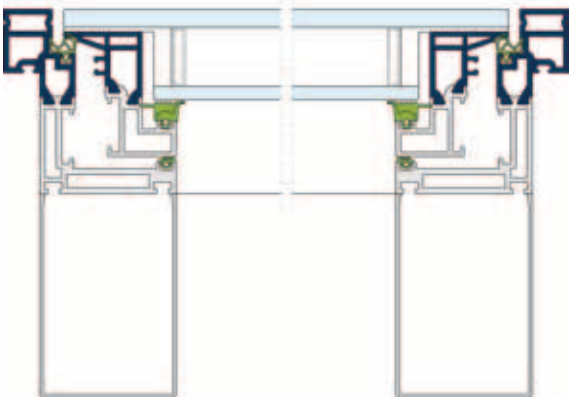




EAL[®]

The new high-insulation construction with pioneering technology stands out with its flush-mounted all-glass appearance and its self-locking technology. EAL combines the aesthetics of a closed glass façade with the safety aspect of a larges ventilation cross-section possible.

RC 2
CERTIFIED



Alexander Fleming School Stuttgart, Germany



FIBA Headquarter Mies, Switzerland



NSHEV DIN EN 12101-2:2003

Aerodynamically effective opening area	as per calculation
Functional safety	Re 1000
Functioning under load	SL 0
Functioning in low temperatures	T 00
Stability under wind pressure	WL 2500
Resistance to heat	B 300-E

WINDOW DIN EN 14351-1

Air permeability (EN 12207)	4
Impermeability to driving rain (EN 12208)	9A
Resistance to wind pressure (EN 12210)	npd
Heat transition coefficient (EN ISO 10077-1)	up to 1,2 W/m²K
Sound protection (EN ISO 717-1)	npd
Durability (DIN 1191)	npd
Burglar resistance (DIN EN 1627)	RC2

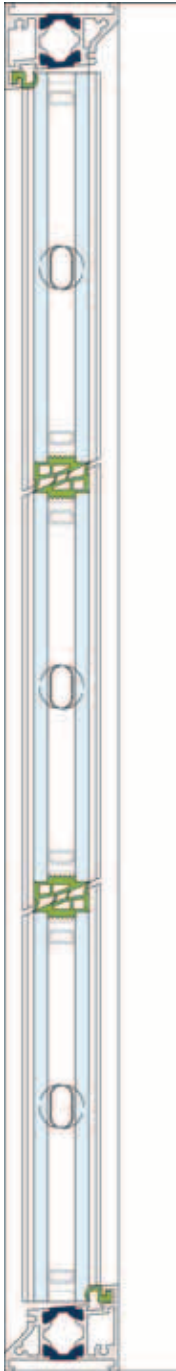
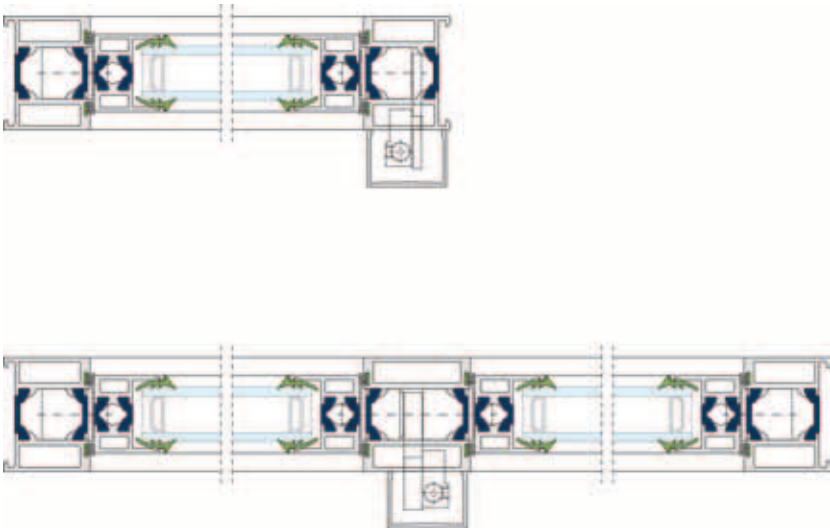
NSHEV
CERTIFIED
EN 12 101-2





GGiso[®]
24 BT50 • 32 BT60

This high-value EuroLam louvre window is based on the classic system, but with extensive glass optics on the outside. For this purpose, horizontal blade profiles have been ignored, resulting in an increased glass surface. Therefore this EuroLam louvre window system is especially suitable for being used in all-glass façades.



Folkwang School of Musik Essen, Germany



Augustiner Monastery Erfurt, Germany



NSHEV DIN EN 12101-2:2003

Aerodynamically effective opening area	as per calculation
Functional safety	RE 1000
Functioning under load	SL 0
Functioning in low temperatures	T (-20)
Stability under wind pressure	WL 3000
Resistance to heat	B 300-E



WINDOW DIN EN 14351-1

Air permeability (EN 12207)	4 (BT 60)
Impermeability to driving rain (EN 12208)	4A (BT 60)
Resistance to wind pressure (EN 12210)	C2 (BT 60)
Heat transition coefficient (EN ISO 10077-1)	up to 1,4 W/m²K
Sound protection (EN ISO 717-1)	n _{pd}
Durability (DIN 1191)	3 (equal to 20000 cycles)
Ball proof (DIN 18032-3)	tested
Fall protection (DIN 18008-4)	tested (BT 60)

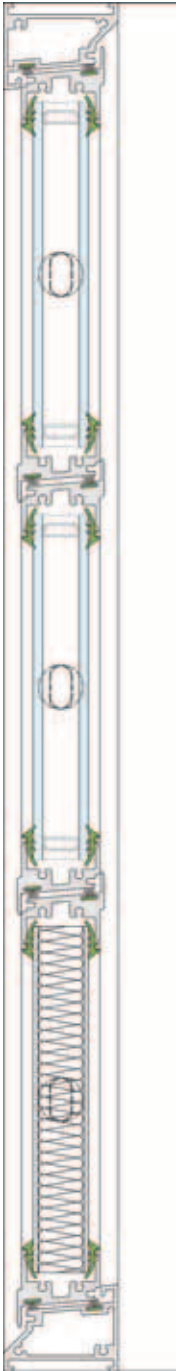
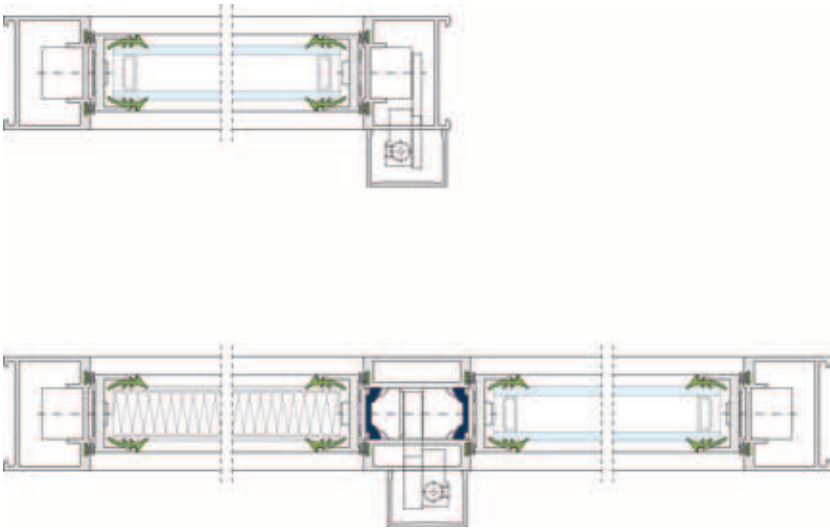




Ntliso[®]
24 BT50

The high-quality and proven louvre window as a non-insulated version.

The EuroLam louvre window system with circumferentially framed blades is characterized by its high glass content. The NTL ISO is based on the classic louvre window, but frames and blades are made from non-insulated, extruded aluminium profiles.



University of Technology Sydney, Australia



Shellharbour Civic Centre Shellharbour City, Australia



NSHEV DIN EN 12101-2:2003

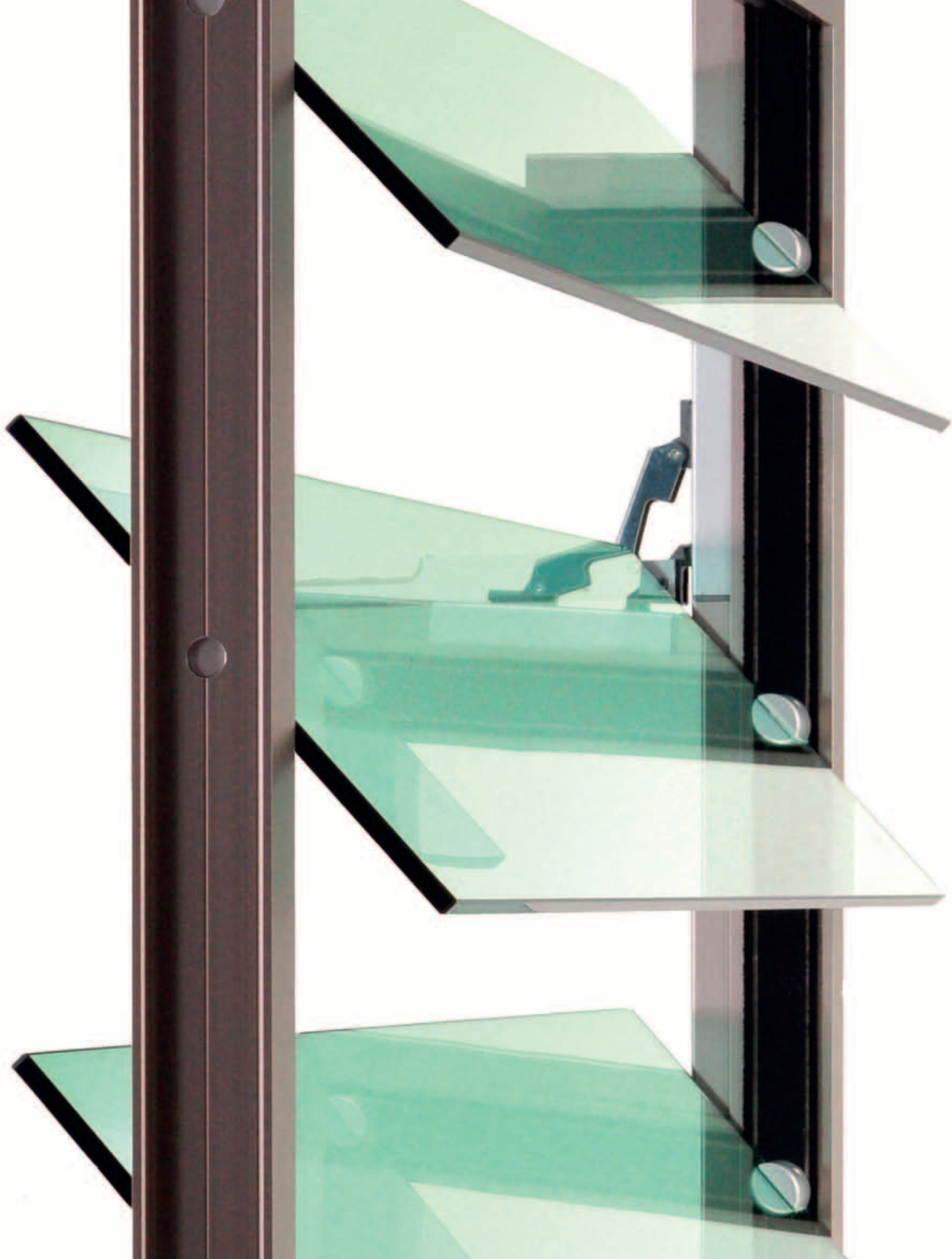
Aerodynamically effective opening area	as per calculation
Functional safety	RE 1000
Functioning under load	SL 0
Functioning in low temperatures	T (-20)
Stability under wind pressure	WL 3000
Resistance to heat	B 300-E



WINDOW DIN EN 14351-1

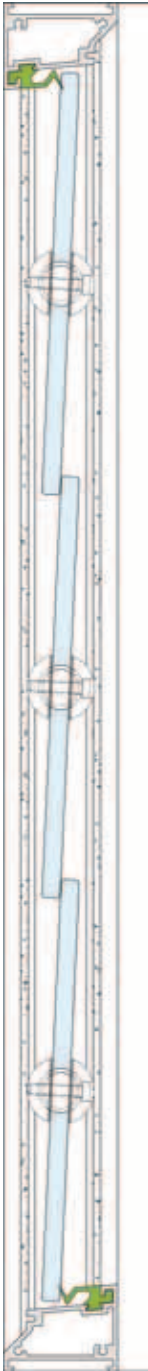
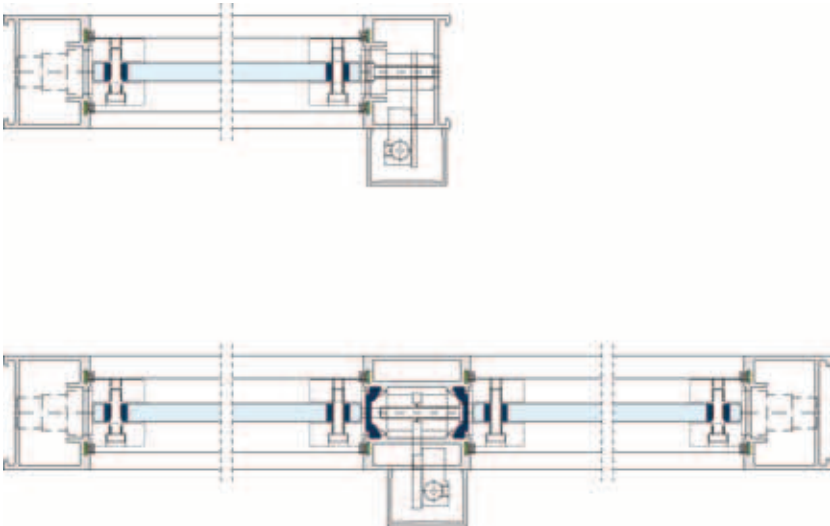
Air permeability (EN 12207)	npd
Impermeability to driving rain (EN 12208)	npd
Resistance to wind pressure (EN 12210)	npd
Heat transition coefficient (EN ISO 10077-1)	npd
Sound protection (EN ISO 717-1)	npd
Durability (DIN 1191)	3 (equal to 20000 cycles)
Burglar resistance (DIN EN 1627)	npd





GG*Overlapping*[®]
BT50 • BT60

The non-insulating system for 6, 8, 10 or 12mm single glass is especially suitable for use as second skin due to special filigree holding elements and scale-like overlapping of the glass edges. The point-fixed glass panes achieve impressive all-glass optics.



GG Overlapping



Senior Center Allermöhe, Germany



NSHEV DIN EN 12101-2:2003	
Aerodynamically effective opening area	as per calculation
Functional safety	RE 1000
Functioning under load	SL 0
Functioning in low temperatures	T 00
Stability under wind pressure	WL 1500
Resistance to heat	B 300-E



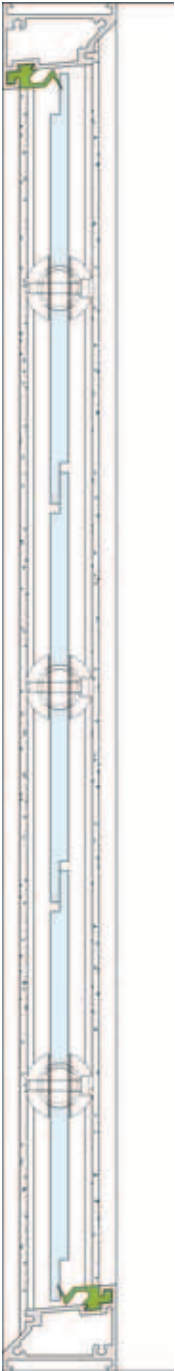
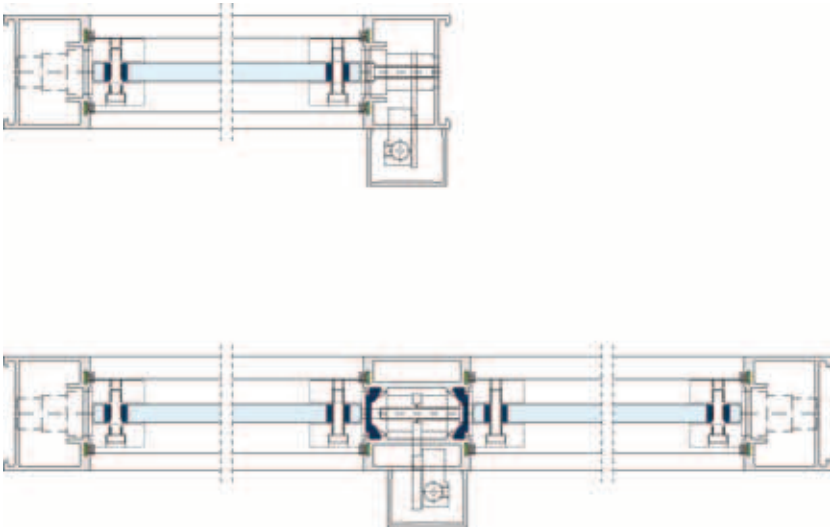
WINDOW DIN EN 14351-1	
Air permeability (EN 12207)	npd
Impermeability to driving rain (EN 12208)	npd
Resistance to wind pressure (EN 12210)	npd
Heat transition coefficient (EN ISO 10077-1)	npd
Sound protection (EN ISO 717-1)	npd
Durability (DIN 1191)	3 (equal to 20000 cycles)



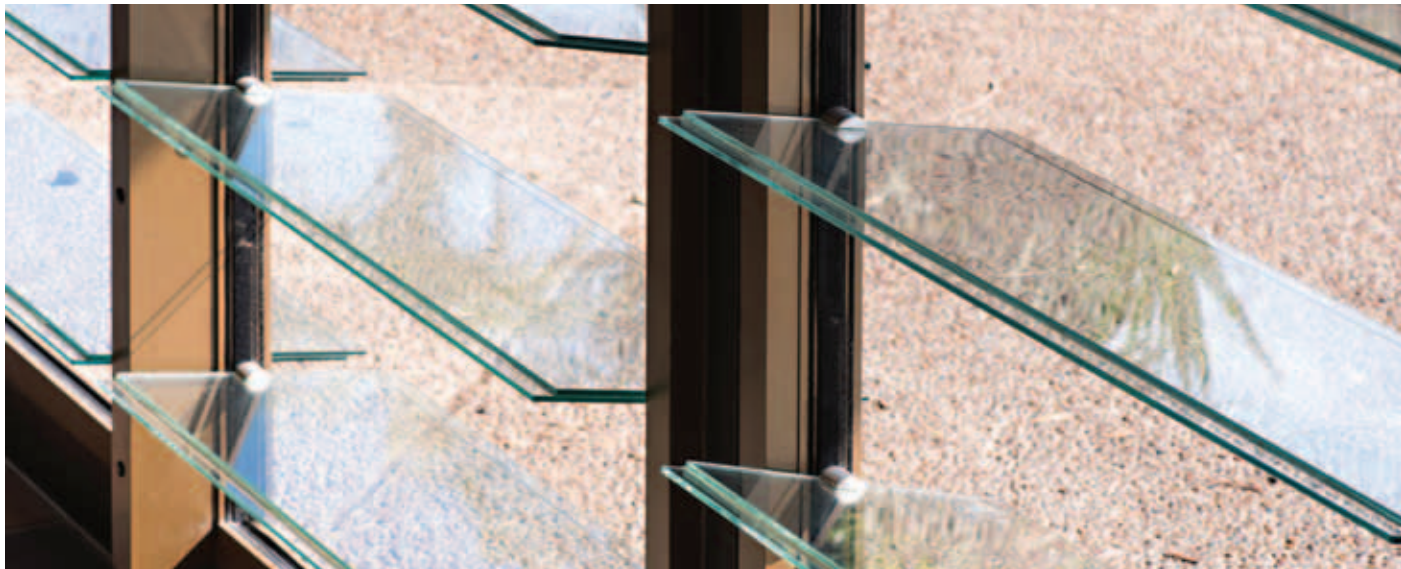


Gest[®]
BT50 • BT60

GG Step-cascaded glass:
The non-insulating system distinguishes itself by special filigree holding elements and stepped overlapping of the horizontal glass edges. The system is suitable for use as second skin. The point-fixed all-glass panes also achieve a spectacular effect as a room dividing element inside of buildings.



Panorama Center Haifa, Israel



University of Applied Sciences Jena, Germany



NSHEV DIN EN 12101-2:2003

Aerodynamically effective opening area	as per calculation
Functional safety	RE 1000
Functioning under load	SL 0
Functioning in low temperatures	T 00
Stability under wind pressure	WL 1500
Resistance to heat	B 300-E



WINDOW DIN EN 14351-1

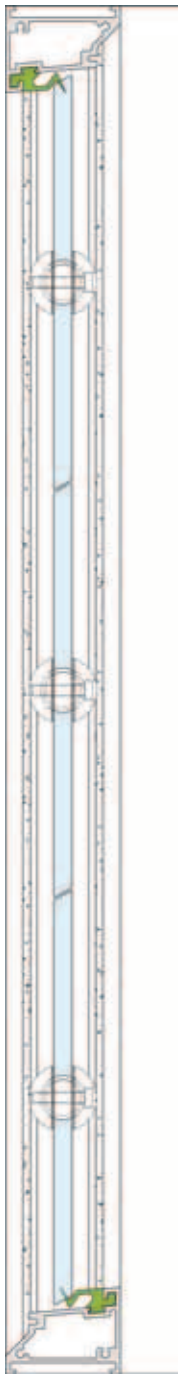
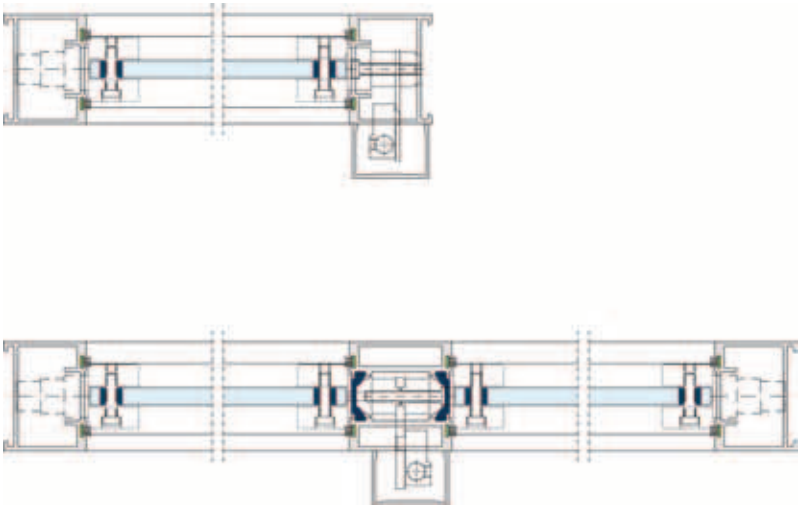
Air permeability (EN 12207)	npd
Impermeability to driving rain (EN 12208)	npd
Resistance to wind pressure (EN 12210)	npd
Heat transition coefficient (EN ISO 10077-1)	npd
Sound protection (EN ISO 717-1)	npd
Durability (DIN 1191)	3 (equal to 20000 cycles)





GGBe30[®]
BT50 • BT60

GG Bevelled Edge 30:
This non-isolating system distinguishes itself through special filigree holding elements and the overlapping of horizontal glass edges polished to 30° mitre.
The system is suitable for use as second skin, but in a special watertight version also in facades.
The point-fixed all-glass panes also achieve a spectacular effect as a room dividing element inside of buildings.



Deichtor-Center Hamburg, Germany



NSHEV DIN EN 12101-2:2003

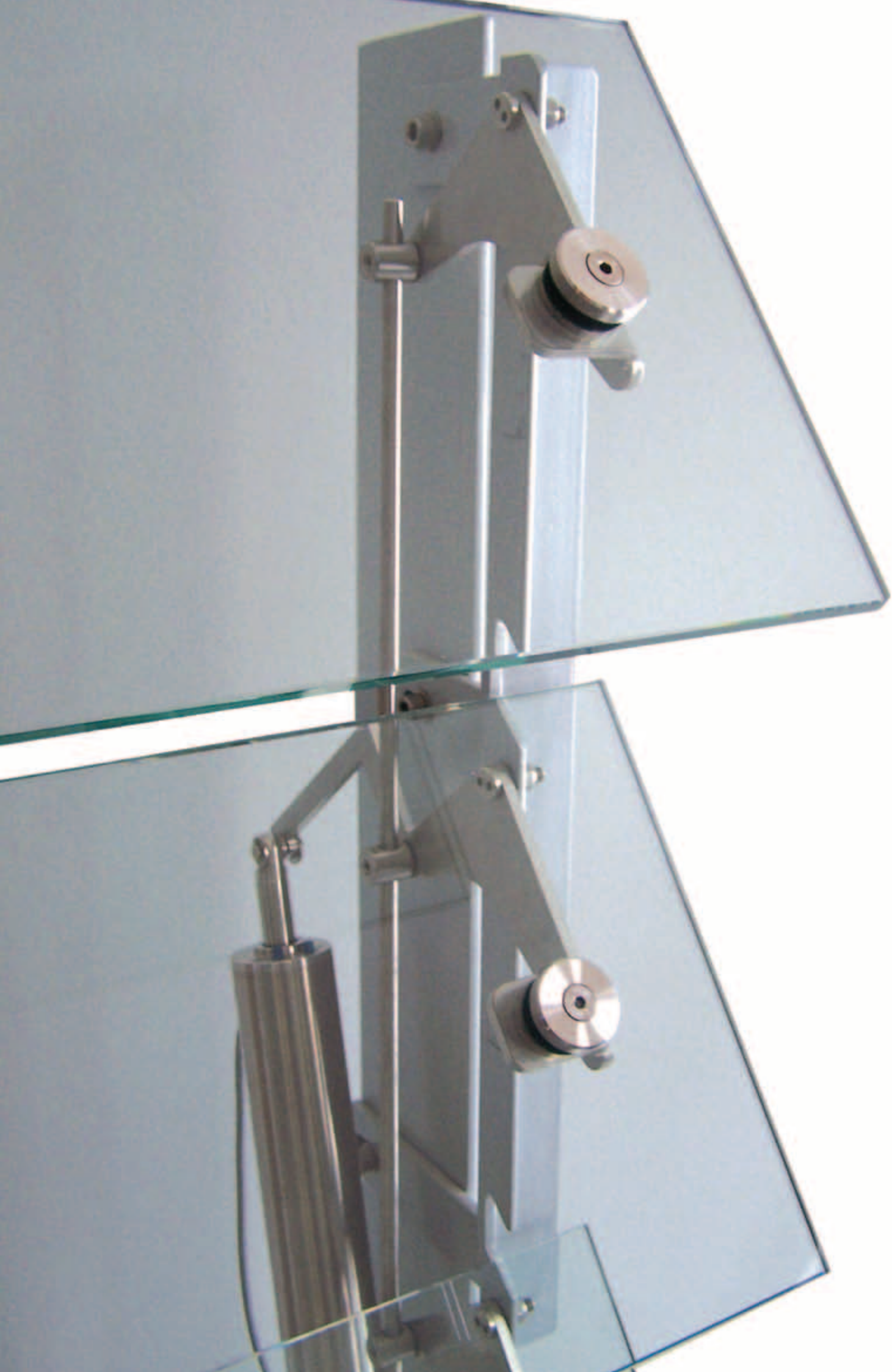
Aerodynamically effective opening area	as per calculation
Functional safety	RE 1000
Functioning under load	SL 0
Functioning in low temperatures	T 00
Stability under wind pressure	WL 1500
Resistance to heat	B 300-E



WINDOW DIN EN 14351-1

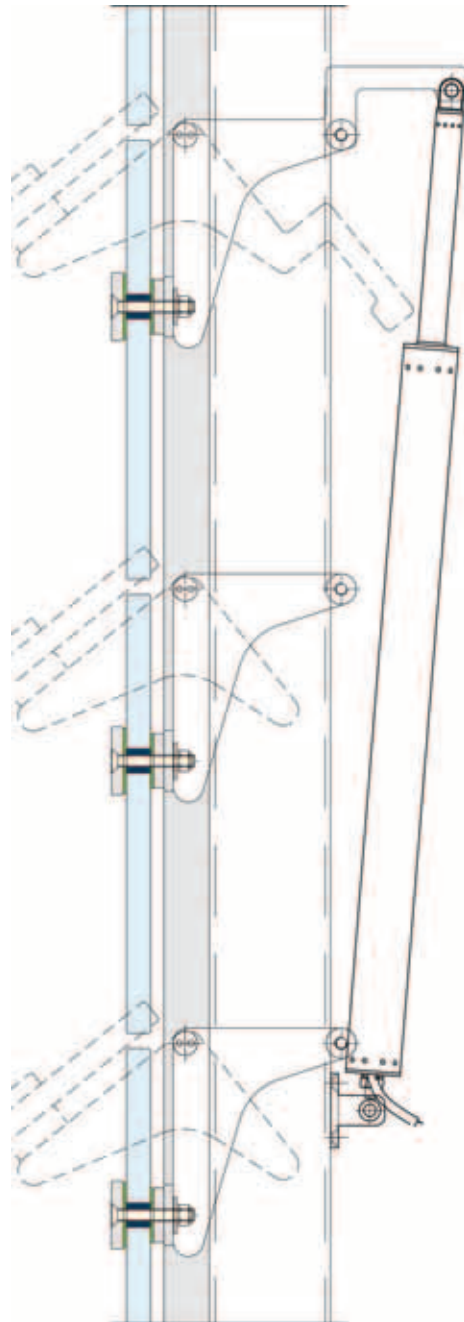
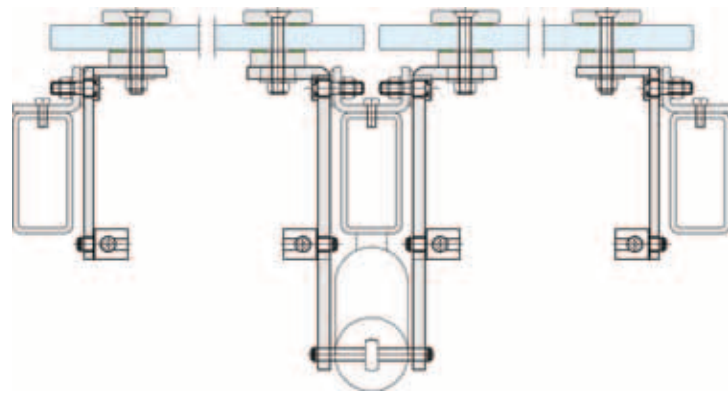
Air permeability (EN 12207)	npd
Impermeability to driving rain (EN 12208)	6A (BT 50)
Resistance to wind pressure (EN 12210)	npd
Heat transition coefficient (EN ISO 10077-1)	npd
Sound protection (EN ISO 717-1)	npd
Durability (DIN 1191)	3 (equal to 20000 cycles)





GGbh 
Special constructions

In double-skin façades especially, this system offers high flexibility in the design and glass construction. This is a special construction product, executed technically as per customer's requirements and which demands close coordination and advice already in the planning phase.



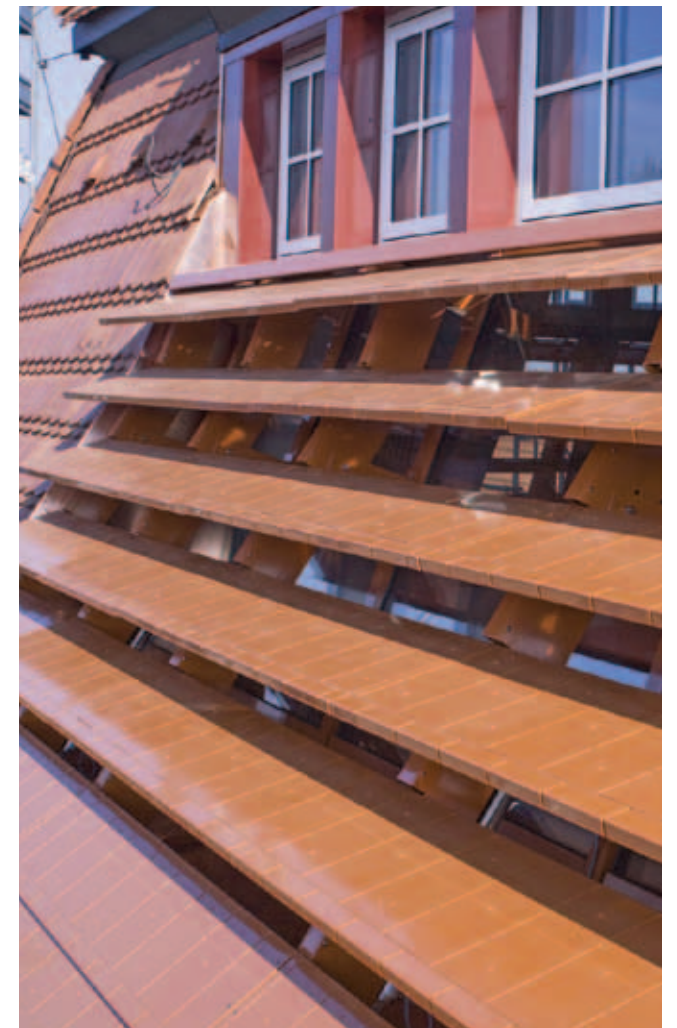
A structural pre-dimensioning can be provided for each building project. We provide you with every support in applying for approval in a particular case, if necessary.



TU BASF Berlin, Germany



Living Levels Building Berlin, Germany

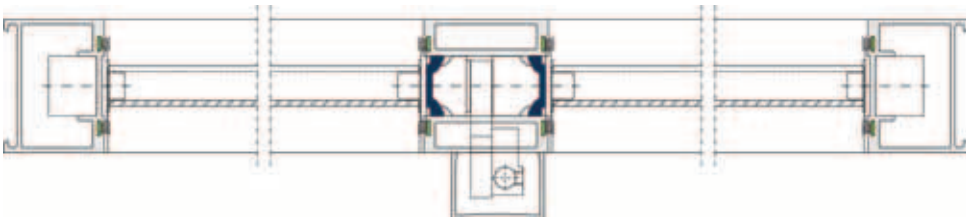


Ministry of Justice House 12 Potsdam, Germany
Anja Beecken Architects | photo: Hans-Joachim Krumnow



S200[®]

The economic non-insulated solution with extruded aluminium sheet louvres. The system is especially suitable for shading and visual protection in combination with natural ventilation and airing. The louvre blades are „s-shaped“ and arranged in an overlapping manner.



Bioethanol Industrial Building Zeitz, Germany



NSHEV DIN EN 12101-2:2003

Aerodynamically effective opening area	as per calculation
Functional safety	RE 1000
Functioning under load	SL 0
Functioning in low temperatures	T 00
Stability under wind pressure	WL 3000
Resistance to heat	B 300-E



WINDOW DIN EN 14351-1

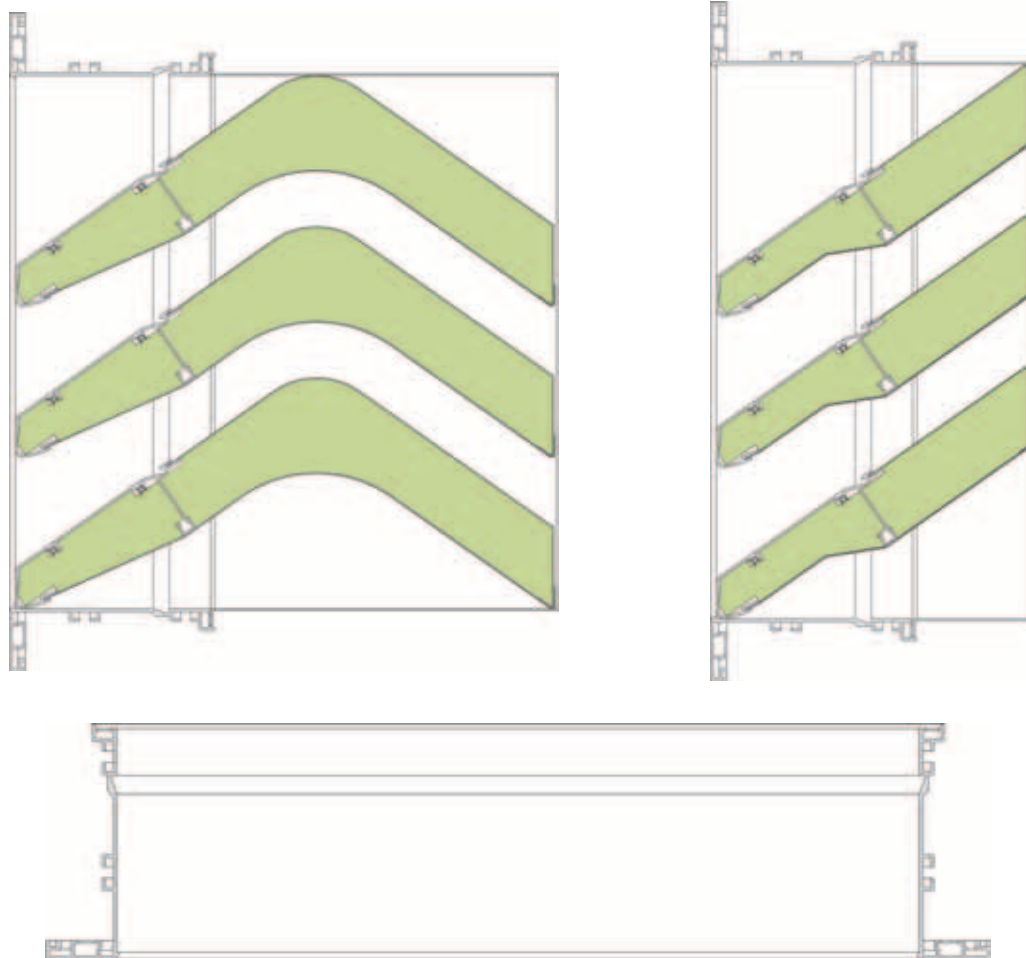
Air permeability (EN 12207)	npd
Impermeability to driving rain (EN 12208)	npd
Resistance to wind pressure (EN 12210)	npd
Heat transition coefficient (EN ISO 10077-1)	npd
Sound protection (EN ISO 717-1)	npd
Durability (DIN 1191)	3 (equal to 20000 cycles)





Aww[®]
320.550

A supplementary product for industrial use providing natural supply and exhaust air, combined with a sound-proof function. The acoustically effective weather protection grill from EuroLam has an integrated drip edge, a shield against burglars and small animals and is fluidically optimised.



Bioethanol Industrial Building Zeitz, Germany



AWW 320 values tested

average sound-level reduction (DIN EN ISO 717-1)	16 dB
Flow-rate coefficient Cv	0,18 bis 0,27

AWW 550 values tested

average sound-level reduction (DIN EN ISO 717-1)	24 dB
Flow-rate coefficient Cv	0,18 bis 0,27



Usual weather protection grills in the market require scene silencer later on. With the acoustically effective weather protection grill from EuroLam, you can very well do without it.

Framed aluminium louvres, aerodynamic perfectly inclined, are the central element of the AWW. An integrated sound-proof package made of abrasion-proof mineral fibre is located underneath the louvres.



cityLam[®]
nature is coming home.

How is the façade greening from cityLam integrated?

The trick is that the modules are integrated into the façade as a 'second skin'. The external 'skin' of this double façade comprises modular systems with embedded seedlings. The modular systems comprise extruded aluminium profiles and the planted modular sections are installed vertically as a curtain façade. The system also incorporates an automatic supply of water and nutrients for the plants (requires an existing water pipe).

Closed module



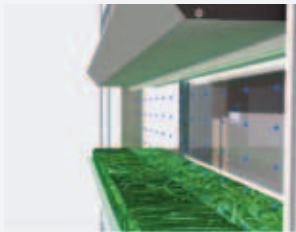
When closed, the green blades form an opaque and natural-looking green façade and a positive climate footprint.

Open module



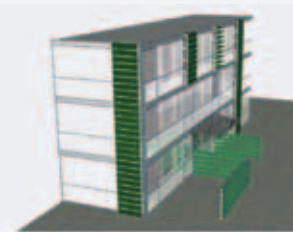
When open, the green blades create an attractive and functional 'see-through green surface'.

Watering the module



When positioned horizontally, the modules can be watered automatically. All of the plants on offer are easy to take care of.

Module on the building



The individually planted modules are installed on the building façade, or as 'room dividers', for example in train stations.



CityLam System Greening

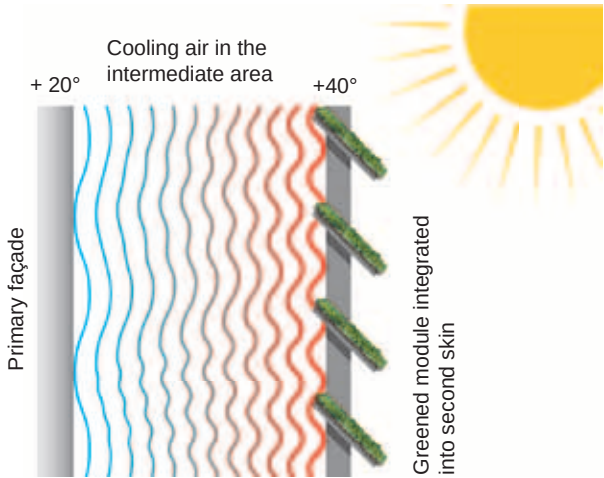


With the cityLam System Greening, you re-conquer a little bit of nature.

Whether in urban spaces for greening the traffic routes, for reducing the noise level or as a partition of an estate. The BLL can be used as an architectural emphasis in Green-Building-Segment. All façades, be they office buildings, industrial structures or residential buildings, airports or railway stations can be grassed on a permanent and sustainable basis. An irrigation that can be controlled autonomously can be used to feed more minerals temporarily. In this process, the cost of maintaining this system, which can be implemented innovatively and modularly, is almost negligible, thanks to special planting.

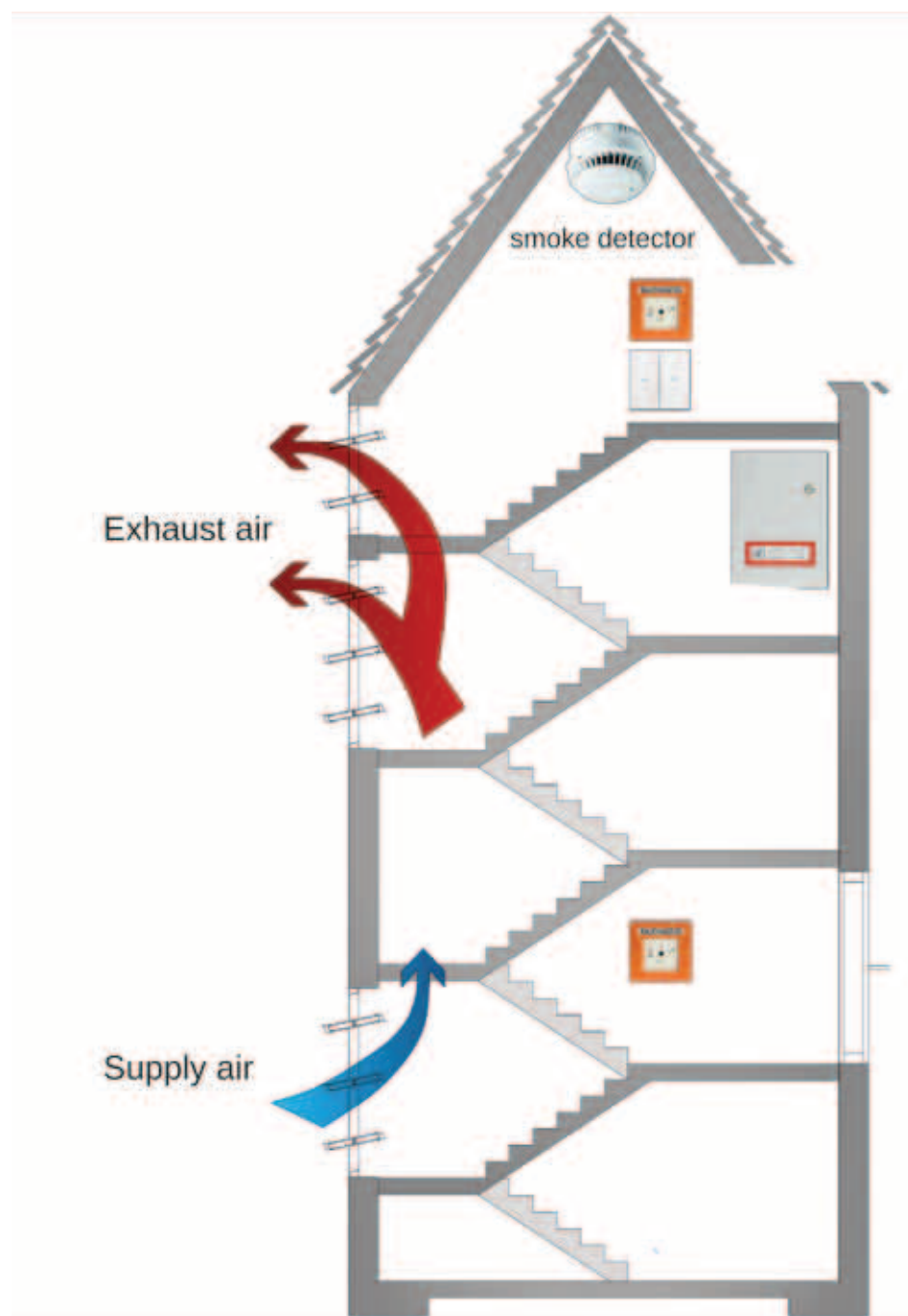


CityLam System Greening



Active façade cooling

Our windows are convincing not just because of their attractive optics and high technological standards, but they also make crucial contributions to the safety of the building. We provide all-round solutions for smoke and heat venting systems (SHEV) with natural smoke and heat vents (NSHEV). Our louvre systems can be adapted flexibly to the area of installation and combine the highest safety with first-class ventilation comfort. For use in NSHEV ventilation systems, the entire louvre/drive system is verified and certified as per DIN EN 12101-2.



Smoke and heat drainage in the stairwell



If the air stays away...

... being ahead of time can save life.

Although the highest standards for safety are ascertained and implemented for buildings today, many human deaths are caused by fire. The cause of death is not the fire itself, but suffocation by flue gas poisoning. Even the consequential damage to the survivors of this type of poisoning is not insignificant. EuroLam louvre systems are the most suitable because of their constructive properties and the resulting functionality and ensure an efficient discharge of flue gas as per the latest standard.

This helps to save lives!



Our service

- Advice on planning and projection of SHEV and NSHEV systems
- Generation of object-related tendering documents
- Making layout plans with specifications on cable length and cable cross-section
- Setting up the system as per building law requirements
- Maintenance service

Protection objectives of a SHEV system

- Personal protection: keeping the rescue paths free of smoke
- Environmental protection: reduction of environmental damage
- Material asset protection: smoke-free maintenance for extinguishing, retaining the basic building structure

Convince yourself of our patented EuroLam development: the **FailSafe drive**. This enables the window to open or close automatically and independently if the external voltage supply fails or is interrupted, thus guaranteeing maximum safety.



Electrical or pneumatic operation for daily ventilation and smoke extraction as NSHEV as per DIN EN 12101-2



University Düsseldorf Campus Derendorf, Germany



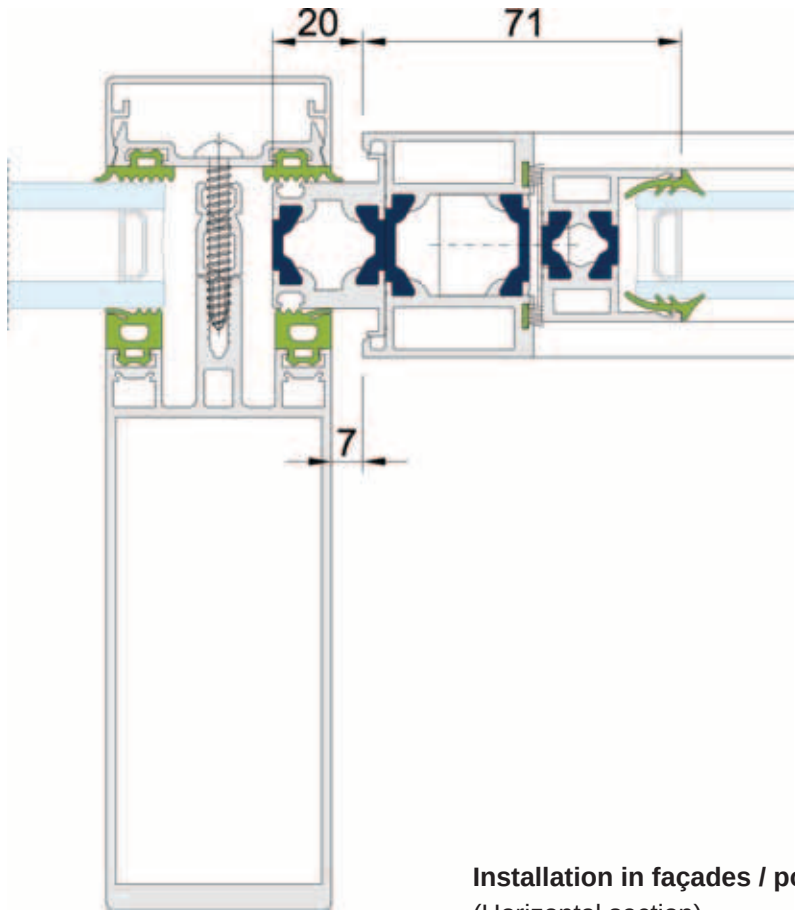
Operating Versions

- manuel (hand lever, end gear mechanism with crank handle)
- power-operated (electric drives 24V or 230V)
- pneumatically (compressed air cylinder)

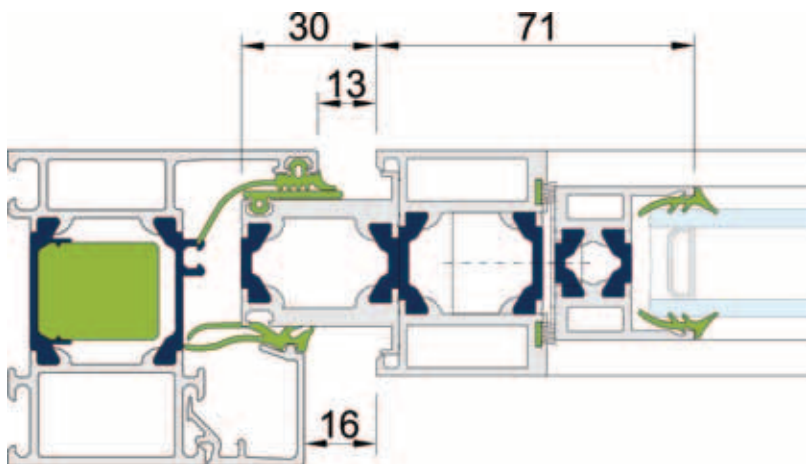


Manual operation for ventilation

We provide you with products and services from a single source.
Be it mounting support or complete installation – you will benefit from our service.
Among others, here some of the installation possibilities.



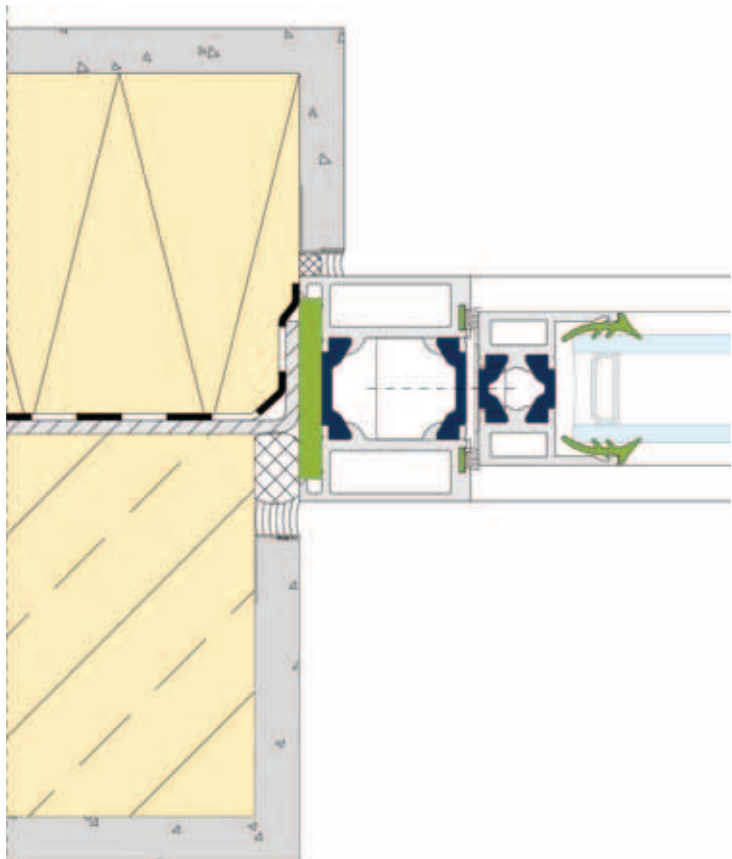
Installation in façades / post-beam-constructions
(Horizontal section)



Installation in window constructions
(Horizontal section)



Vitzthum School Dresden, Germany



Installation in masonry
(Horizontal section)



Accessories

You have a variety of different accessories to choose from while designing our louvre windows:

Electronic glass breakage sensor

The electronic glass breakage sensor helps in monitoring glass surfaces of windows.

Antri-trap protection

We offer intrusion protection for automatic (»power-operated«) windows and louvres. To avoid danger of pinched fingers while automatically closing, this area is monitored by a WPS system. Both, the direct contact points and the danger zones in the overall periphery of the window, are monitored by the sensor. This enables the WPS to react in a proactive manner. Not only can it monitor the main and secondary locking edges, but also several adjacent windows at once.

Insect and bird screen

It is imperative that the louvre windows are opened to ensure a pleasant indoor climate. But this also allows unwanted guests like insects and birds to enter the room together with the fresh air. To prevent this, our louvre windows can also be equipped with insect and bird screens. It is very simple to install these grills and their durability and accuracy of fit make them stand out.

CO₂, rain and wind sensors

In addition to the smoke control technology, our range of products also includes components for intelligent energy management: CO₂, rain and wind sensors can be integrated as per customer's wish.

Glass selection

Regarding the glazing, EuroLam louvre windows can be manufactured flexibly in line with customer's requirements. Glass made of float, laminated or toughened safety glass or combinations are used, depending on the static requirements and the installation situations called for. Special glasses with printing, sun-protection, sound-protection and laser-treated glasses are available as well.

Service

Our broad product portfolio provides an individual solution for every requirement. Our products are tested and certified accordingly. We provide all-round care with the highest cost transparency: from planning right up to building management (maintenance).

Special solutions

We set no limits to your ideas and realise projects that are especially challenging and extraordinary. There are engineers and technicians ready to help you in our development section. They ensure systematic implementation in the project phase, thus ensuring the success of your projects!

Sustainable projects

Visionary ideas become reality. As part of our integrated quality and environment management, during the planning and development we consider economic aspects as well as the effects on human beings and our nature."

Reliable production

We guarantee products Made in Germany. Our production uses quality-tested materials.

Flexibility

We deliver all our products to you in the fastest possible time. If so desired, our qualified professionals will also train you in mounting our products and also support you in the execution.

Mounting and Service

We offer a complete construction service package for your next project. As the manufacturer of high-value system products, we are well acquainted with the mounting procedure. In this process, we ensure quality control and logistics; we are equipped for large-scale construction projects and provide a considerable number of qualified personnel in a short time for your large project.

We manufacture our products only in Germany adhering to the highest quality standards, at the company headquarters in Wiegendorf – Thuringia and deliver these worldwide.



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Germany

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Fax: +49 (0) 36462 . 33 88 13

Mail: info@eurolam.de
www.eurolam.de



For detailed product descriptions for the systems and request forms
as well as additional references, please log on to
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