

Wood is alive. Wooden windows with a soul.



different, of course...

 **DÖPFNER**
FENSTER TÜREN UND MEHR

Döpfner window systems

Wood Wood-aluminum.

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Our windows have a "soul" made of wood and grow on local trees.

More than 10 years ago, we at DÖPFNER decided not to use any tropical wood species (meranti, sipo, teak, etc.) - and we are still convinced that this is the only right decision.

In many Asian, African and South American countries, wood is still harvested in primary forests (virgin forests) - even with government approval! This wood reaches the European market - with and without forest labels (PEFC, FSC, etc.).

Similarly, DÖPFNER does not use Siberian larch in its windows, because 80% of this type of wood is unfortunately felled illegally in boreal primary forests!


The primeval forests of Siberia are an indispensable "green lung" - they store around 70 % of Russia's and Europe's CO₂emissions

We are fully committed to sustainable forestry and only use domestic wood species (spruce, European larch, oak) of the highest quality and from regional sources with short distances - certified by the recognized WOOD FROM HERE environmental label.

We made our decision a long time ago. For a sustainable future worth living!

Make your decision too!





Our footprint is green. Scientifically certified! From local raw materials to sustainable production.

DÖPFNER is now the first window manufacturer in Germany to implement a product-specific, scientifically based ECO-FOOTPRINT rating for its timber and timber-aluminum windows - a holistic ENVIRONMENTAL FOOTPRINT that The overall ecological impact of the various window frame materials, such as wood, aluminum and PVC, can be effectively and reliably compared. From raw material extraction to the end-of-life phase (recycling)

The new footprint methodology was applied to specific timber and timber-aluminum window systems from the DÖPFNER product range, as well as to generic data based on the various frame materials

By the way: The visual similarity with the already familiar energy ratings of electrical appliances is quite intentional! The new environmental footprint provides assessments of the various environmental aspects in the form of an intuitive traffic light system, from green to red. from A to E. A DÖPFNER wooden window made of spruce achieves a grade 1, while a PVC-aluminum window only achieves a grade 4.

The ratings are based on sound scientific evaluations.



Find out more?
Here you will find our 16-page ECO-FOOTPRINT brochure.

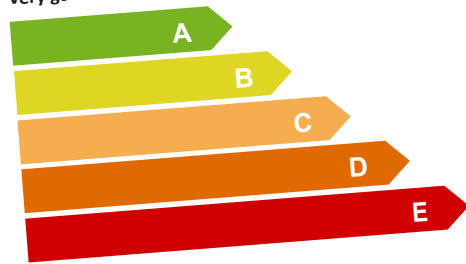
Simply scan
and download PDF.

ECO-Footprint

Holistic environmental footprint

FICHTE wooden
windows
Company

Döpfner
very good



very bad

Declaration holder: **Company Döpfner**
Product: Döpfner Holz-Fenster FICHTE
Date of issue: May 01, 2021
Validity: April 31, 2023

DECLARATION HOLDER
DÖPFNER
FENSTER TÜREN UND MEHR

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PUBLISHER



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BS Environmental
Consulting
www.bs-umweltberatung.de
Publisher and
Program holder

Overall product rating



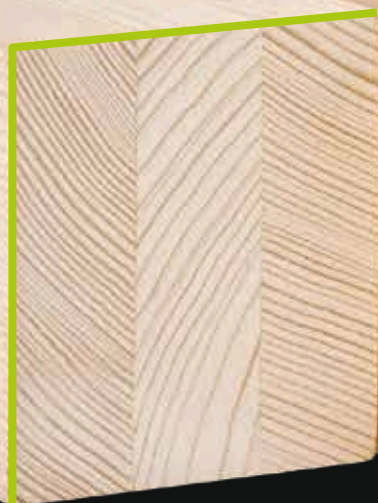
Climate and environmental label available



- + Production site is Germany
- + Suppliers from Germany and Austria (colors)
- + Raw materials from sustainable forestry
- + Certificate HOLZ VON HIER-Proof of origin and proof of above-average climate and environmentally friendly short distances.
- + Eco-bonuses for outstanding eco-social performance of the product

ECO-FOOTPRINT PARAMETERS AND PRODUCT CLASSIFICATION

Reference value: 1 running meter	Parameters	Abbreviation		Life cycle phase	Values (A1 - A3)	
Grey energy	Energy consumption upstream chains	PERE+PENRE		A1-A3	77,4	
Climate	Global Warming Potential (GWP) upstream chains	GWP		A1-A3	8,71	
Water	Water consumption upstream chains	FW		A1-A3	6,78	
Resources	Resource availability	RMA		A1	very good	
Environmental impact	Risk of high environmental pollution during Raw material extraction	REP		A1/A2	Very low risk	
Biodiversity	Risk of biodiversity loss in the Upstream chains	RBL		A1/A2	Very low risk	
Country factor	Climate, water and resource efficiency of the Country of origin of semi-finished goods, products	CEPI+ FWE + DMCJ	Index	A	A1	very good
Social fairness	Social fairness in the extraction of raw materials	SF	Index	A	A3	very good
	Responsible to health	RR	Index	A	B	Very low risk



FICHTE

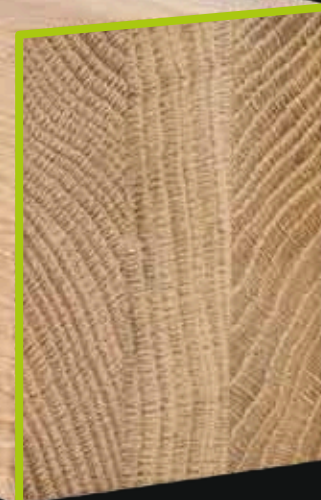


PIEFER

only available for wood-aluminum systems!



LARCH



OAK

The natural, grown "soul" of DÖPFNER windows. **Available in four domestic wood types.**

Perfect appearance and lasting stability. We only use high-quality, laminated window scantling profiles.

The solid construction ensures maximum dimensional stability, best durability - and for outstanding energy efficiency.



Diamonds are forever...
Revolutionary long-lasting wood surfaces
with DIAMOND-FINISH.
Permanently weatherproof and scratch-resistant!

Maximum surface hardness and yet lasting elasticity - the combination of these actually contradictory development goals is no longer a vision, but has finally become reality.

The completely new 2-component surface system DIAMOND FINISH is the perfect synthesis of the greatest possible scratch resistance and outstanding, weatherproof long-term durability, despite sun, wind, rain and ice.

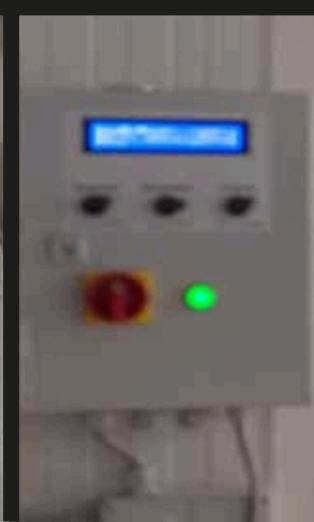
DÖPFNER wooden windows - now exclusively with DIAMOND FINISH.

Our Windows are forever!

A perfect system is always the sum of its perfectly matched parts.

For the new DIAMOND FINISH surfaces, only the best is good enough for us in terms of painting technology - they are applied using state-of-the-art, automated coating systems, enabling us to achieve an absolutely homogeneous paint application and a perfect appearance.

Drying after coating takes place in our high-tech halogen drying systems - this process step brings surface hardness and durability to the outstanding DIAMOND FINISH quality level.

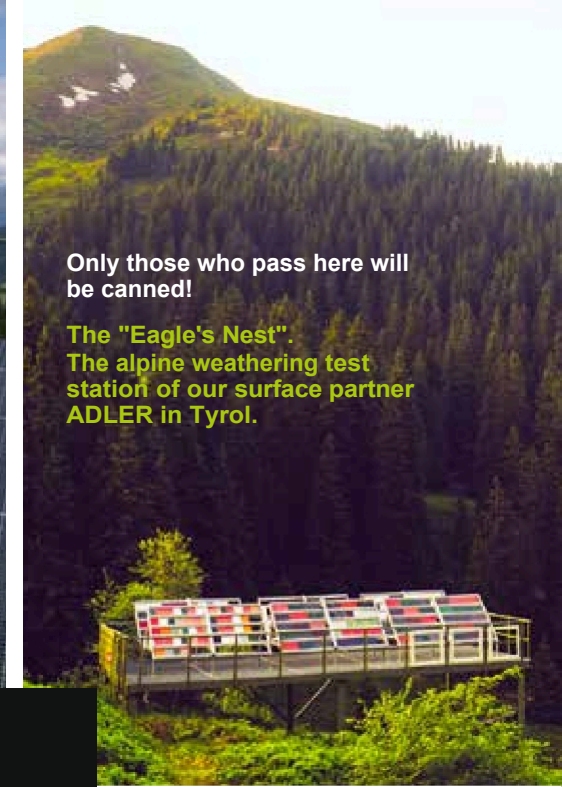




**Optimally weatherproof
Very scratch-resistant**



Rigorously tested



Only those who pass here will be canned!
**The "Eagle's Nest".
The alpine weathering test station of our surface partner ADLER in Tyrol.**

Maximum value retention



DIAMOND FINISH.

The highest quality coating system on the market.

First-class surfaces for long-lasting DÖPFNER wooden windows.

High surface hardness.

DIAMOND FINISH is a newly formulated 2-component coating system with outstanding properties. Both glazing and opaque, it achieves enormous hardness and excellent scratch resistance. Mechanical damage to the windows is minimized thanks to a 47 % higher resistance compared to conventional window coatings.

Perfect permanent elasticity.

Despite the further improved hardness, DIAMOND FINISH impresses with its outstanding permanent elasticity - the coating remains permanently tough and elastic despite constant weather influences (sun, rain, temperature fluctuations, etc.), does not become brittle and thus very effectively prevents damage such as cracking and flaking.

Ultra-weatherproof and durable.

The sum of actually rather contradictory properties, such as enormous surface hardness and maximum permanent elasticity, results in truly outstanding weather resistance and long-term durability on a completely new level.

Excellent wet grip.

With twice the wet adhesion of comparable window coating systems, windows with DIAMOND FINISH SURFACES are optimally protected even on damp building sites in winter and winter construction damage can be reduced.

Perfect optics.

The careful formulation of the coatings in conjunction with with extensive practical tests during product development makes it possible to achieve surfaces with an outstanding appearance with the DIAMOND FINISH system structure.

Healthy living, free of harmful substances.

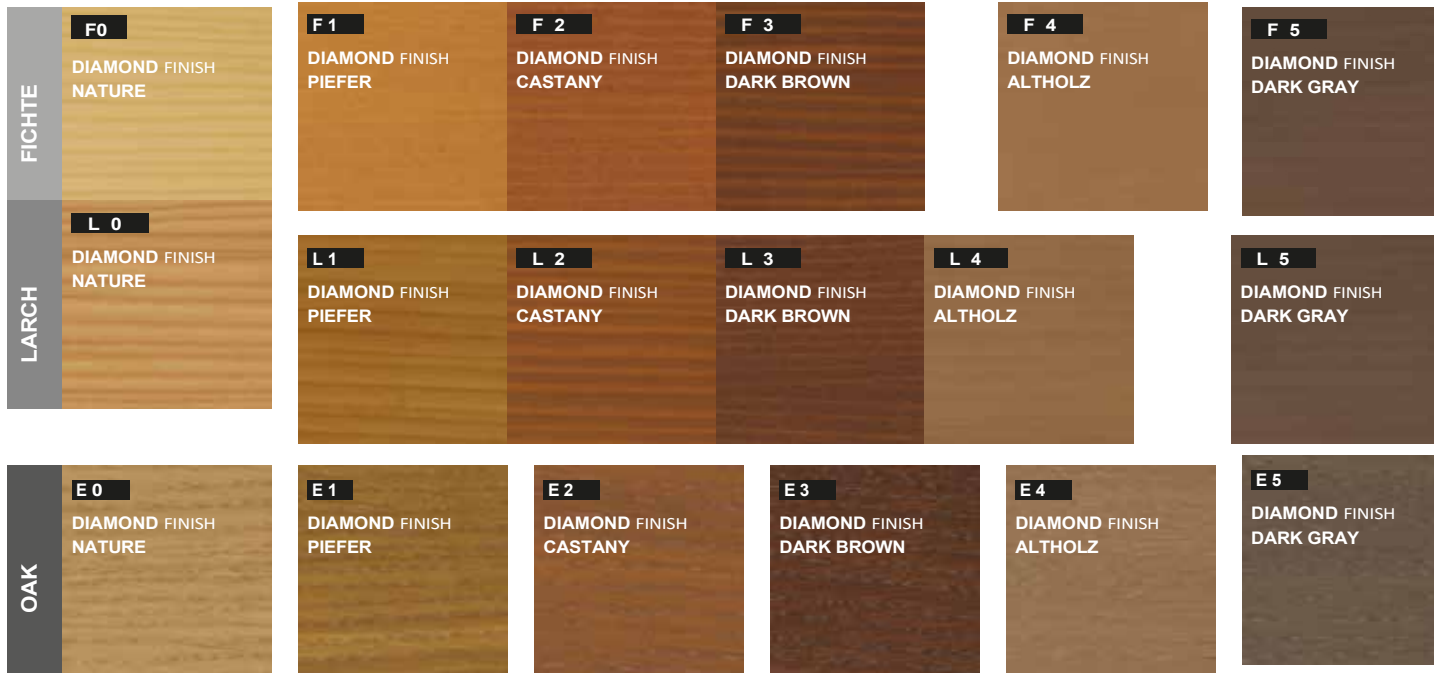
DIAMOND FINISH is free from heavy metals, formaldehyde and plasticizers and complies with EN 71/3 "Toy safety" certified. This means that they can be used in the home without hesitation.

AQUAWOOD DIAMOND FINISH. Powered by



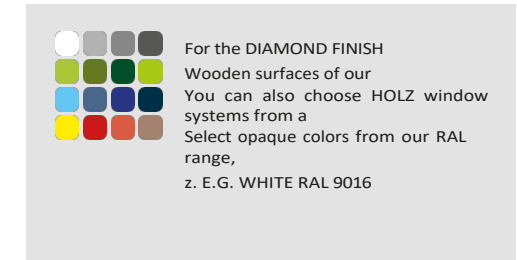
DIAMONDFINISH wood surfaces for wooden windows

Six color variants are available for each of the three available wood types SPRUCE, LARCH and OAK.



DIAMOND FINISH WOOD SURFACES

Overview of all wooden window surfaces in the ultra-weatherproof DIAMOND system.

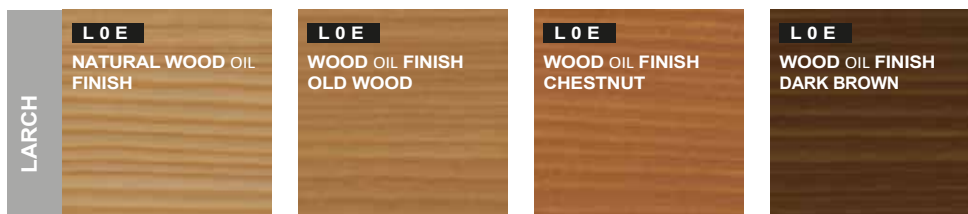


Color deviations are unavoidable for technical reasons.

Please use only the original DÖPFNER color samples for color and material selection!
(Please note! Wood is a natural product. Even the original color samples may show color deviations due to technical reasons).

WOOD OIL FINISH wood surfaces for wooden windows

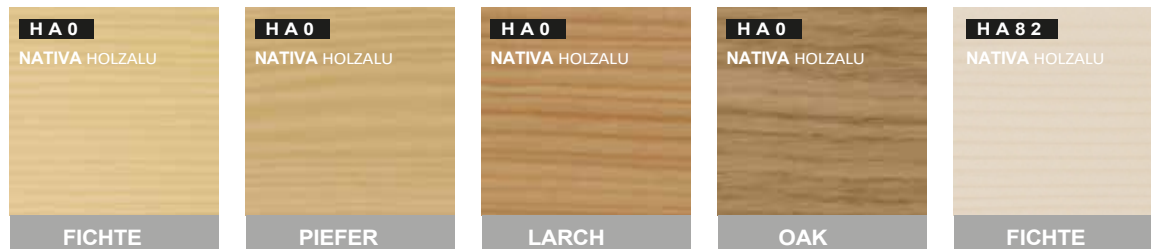
Only on wood type LARCH | No RAL colors possible! | Also possible for WOOD ALU systems on request.



WOOD OIL WOOD SURFACES

Overview of all wooden window surfaces in the open-pore wood oil color system.

NATIVA **wood surfaces** for wood-aluminum windows



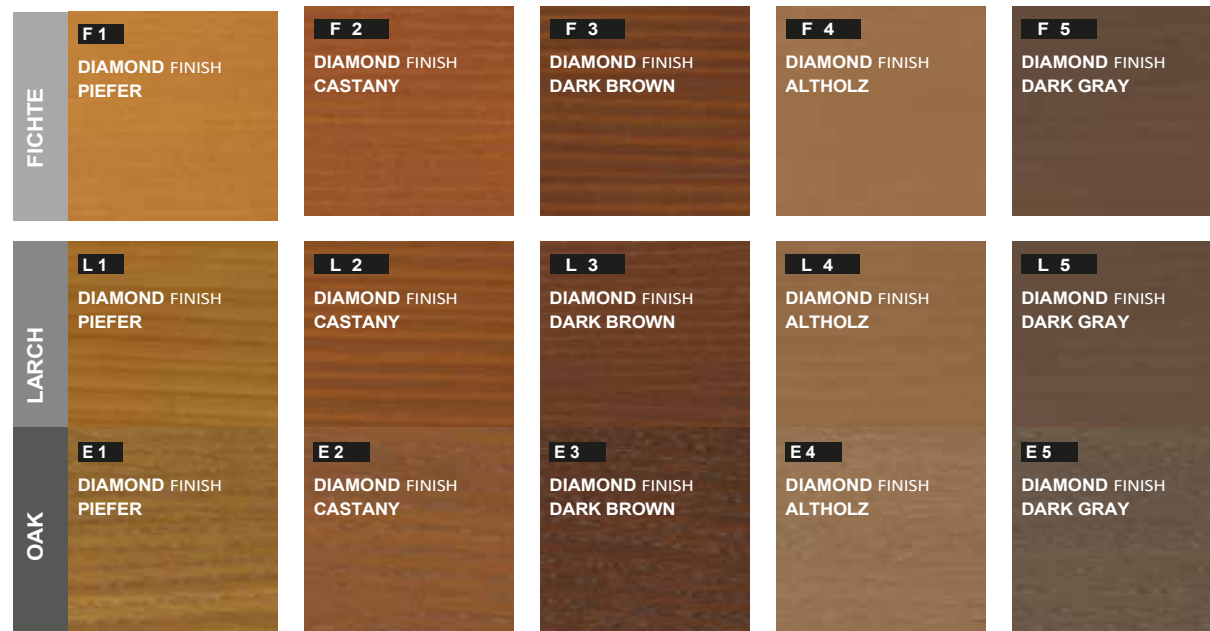
NATIVA WOOD SURFACES

The cozy, natural interior of our Wood-aluminum window systems.

Thanks to the highly transparent, natural look, the elegant wood surfaces are shown to their best advantage.

Other possible wood surfaces for wood-aluminum windows

(in the DIAMOND FINISH wood window color system)



For the DIAMOND FINISH Wooden surfaces of our HOLZ-ALU window systems, you can also choose from a selection of opaque colors from our RAL range, z. E.G. WHITE RAL 9016

Color deviations are unavoidable for technical reasons.

Please use only the original DÖPFNER color samples for color and material selection!
 (Please note! Wood is a natural product. The original color samples may also show technical color deviations. compared to the delivered windows!)

Glazing variants. The perfect glass for every application.

No windows without glass!

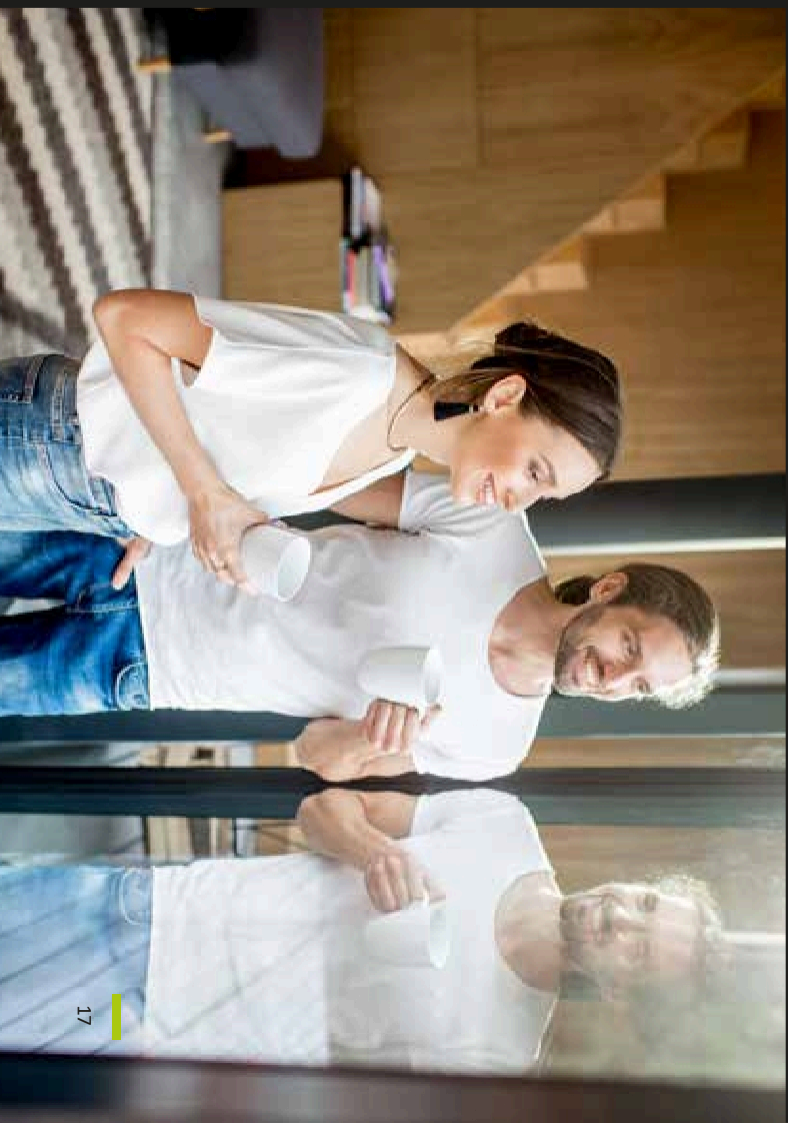
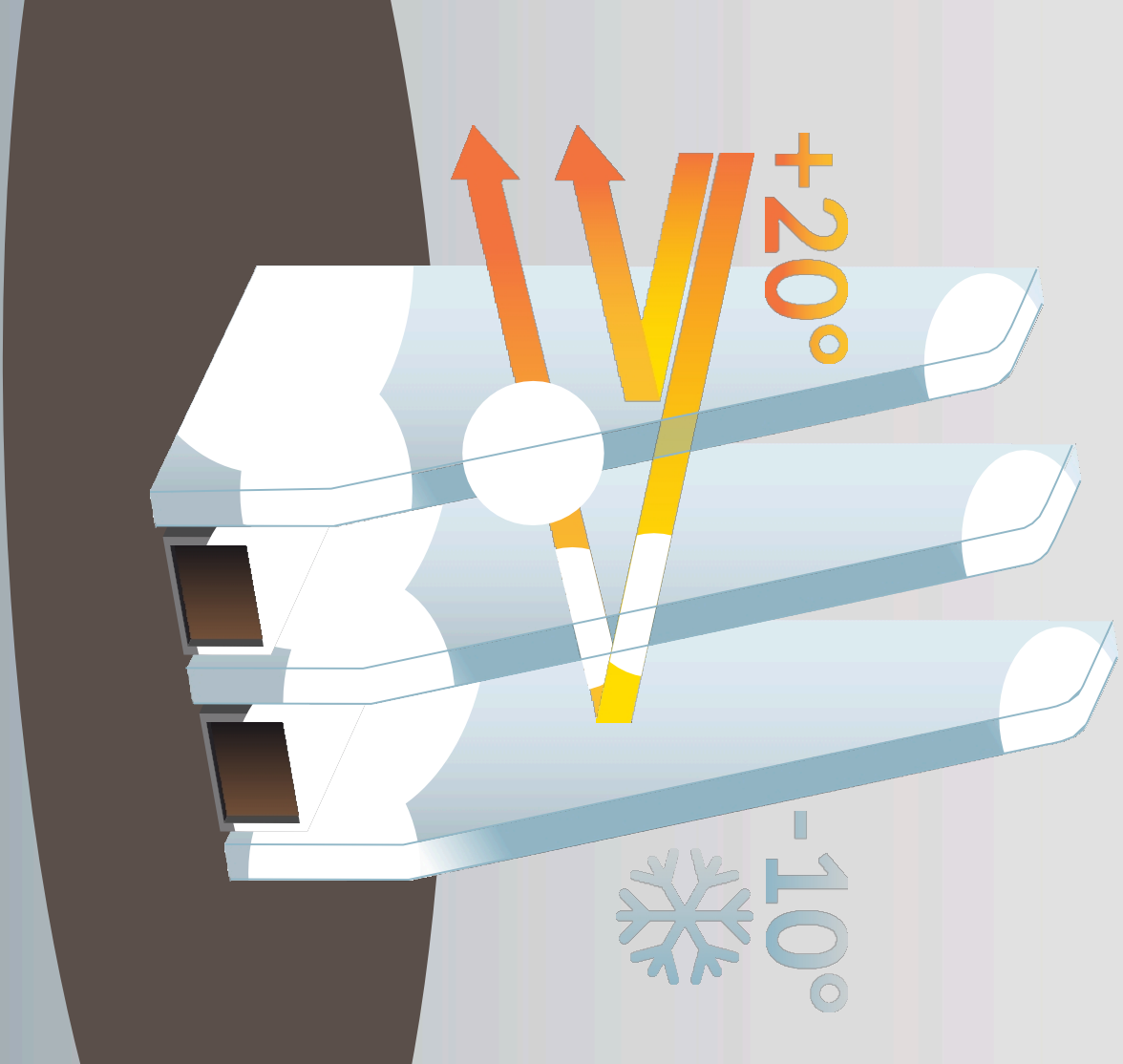
Glass creates transparency, provides light rooms and creates a visual connection to the outside.

Who wants to stare at walls all day? Modern architecture thrives on ever larger glass surfaces. Walls of light are therefore increasingly becoming a reality.

This new architectural style naturally also places high demands on modern insulating glazing. Maximum thermal insulation for optimum energy efficiency and many special properties such as solar control, shatter protection, burglary protection and sound insulation must be taken into account when selecting the glass.

DÖPFNER offers - in cooperation with our glass partner SAINT-GOBAIN ISOLIERGLAS-CENTER - for every

The optimum solution for all application requirements.



Sand. Silicon.
Glass.



**STANDARD
AT DÖPFNER!**

SWISSPACER
ULTIMATE+ ADVANCE

- Best Psi value
- Minimized heat loss
- Perfect optics
- Permanent sealing
- Less condensation on the edge of the glass

PREMIUM
DAYLIGHT
GLASS **ECLAZ**

More solar energy gain in winter and even more daylight all year round, thanks to maximum transparency



PREMIUM
SUN
PROTECTION
GLASS **COOL-LITE**

Reduces excessive room heating in summer. Still plenty of daylight in your rooms



Now also
LIGHT

- Significantly less weight
- Facilitates assembly and handling
- Extends the service life of fittings
- Reduces the CO₂-emissions
- Protects the environment

Standard 2-gang | 3-gang (depending on system)

Even our **standard glazing** achieves a high level of energy efficiency.

INSULATING GLASS					
STANDARD The basic price includes double or triple glazing, depending on the system/installation depth. LIGHT glazing at no extra charge - if technically possible!	Ug-value Thermal transmittance coefficient	g-value % Total energy transmission	LT value % Light transmission	Weight kg/sqm	Weight saving kg/sqm
CLIMAPLUS XN 2-fold	1,1	65 %	82 %	20 kg	
CLIMAPTOP XN 3-fold	0,6	54 %	74 %	30 kg	
CLIMATOP XN Light 3-fold 4-14-3-14-3	0,6	54 %	74 %	25 kg	- 5 kg
CLIMATOP XN Light 3-fold 3-14-3-14-3	0,6	55 %	75 %	22.5 kg	- 7.5 kg

Optional

WÄRME-SOLARGLAS Extremely bright in winter High solar gain through sunlight			
OPTIONAL	Ug-value Thermal transmittance coefficient	g-value % Total energy transmission	LT value % Light transmission
CLIMAPLUS ECLAZ 2-fold	1,1	71 %	83 %
SUN PROTECTION GLASS The "sunglasses" for your windows Sun protection in summer			
OPTIONAL	Ug-value Thermal transmittance coefficient	g-value % Total energy transmission	LT value % Light transmission
CLIMAPLUS COOL LITE SKN 176 2-fold	1,0	37 %	70 %
CLIMAPLUS COOL LITE SKN 165 2-fold	1.0	34 %	61 %
CLIMATOP COOL LITE SKN 176 3-fold	0.6	34 %	64 %
CLIMATOP COOL LITE SKN 165 3-fold	0,6	31 %	55 %

The Building Energy Act (GEG) places numerous requirements on energy efficiency and savings in buildings and, of course, constantly rising energy prices are also making the use of efficient triple insulating glass increasingly important.

The major disadvantage of this is that triple insulating glass units are inevitably thicker and therefore heavier - especially when combined with sound insulation and security.

With the CLIMATOP XN Light insulating glass units, we have extended our product range of lightweight triple insulating glass units to include further highly efficient triple insulating glass units, which impress with the top values of triple insulating glass units - with far less weight.

LIGHT glazing is used depending on the structural conditions and size restrictions and can be supplied on request at no extra cost.

On request and depending on requirements, the lightweight triple insulating glass CLIMATOP XN Light can be extended with our slim laminated safety glass STADIP 22.2 and STADIP P4A Light or ESG 3 mm (recommended protection for glazing close to the floor, such as patio/balcony doors and fixed glazing, especially for people in need of protection such as children and visually impaired people).

PREMIUM
SECURITY

My home is my
castle.

More safety for more
security



Optional burglar-resistant glass for increased security.

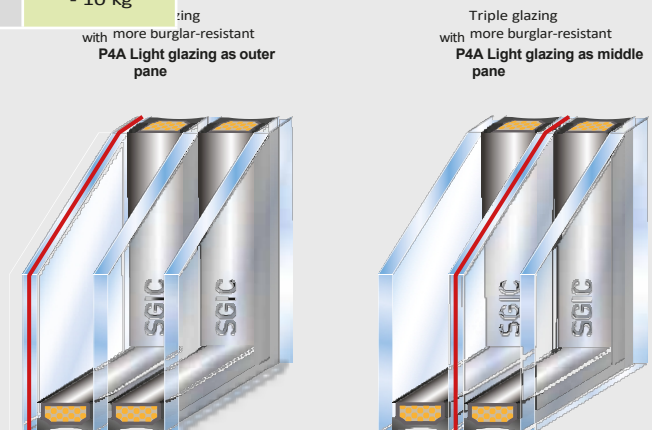
To secure windows and balcony doors against burglary, experts recommend the use of security windows with burglar-resistant glazing (P4A| security class RC2).

The burglar-resistant glazing P4A is a laminated safety glass (LSG) that has been certified in accordance with the special safety requirements of DIN EN 356. Our STADIP PROTECT P4A Light laminated safety glass fulfills these requirements and has the additional advantage of a considerably lower glass weight - the glass surface weight is just 10 kg/m² and is 50 % lighter than a STADIP PROTECT P4A standard glazing.

LIGHT glazing is used depending on the structural conditions and size restrictions and can be supplied on request at no extra cost.

ANTI-BURGLARY GLASS					
OPTIONAL	U _g -value Thermal transmittance coefficient	g-value % Total energy transmission	LT value % Light transmission	Weight kg/sqm	Weight saving Kg/sqm
CLIMAPLUS STADIP PROTECT P4A 2-fold	1,1	58 %	80 %	30 kg	
CLIMAPLUS STADIP PROTECT P4A Light 2-fold	1,1	60 %	81 %	20 kg	- 10 kg
CLIMATOP STADIP PROTECT P4A 3-fold	0,6	49 %	73 %	40 kg	
CLIMATOP STADIP PROTECT P4A Light 3-fold	0,6	50 %	72 %	30 kg	- 10 kg

- LIGHT - up to 50 % less glass weight per m²Makes attempts to break into apartments and houses more difficult Protection against injury in the event of glass breakage
- Integrated sound insulation thanks to the laminated safety glass at no extra cost
- Certified P4A glazing in accordance with DIN EN 356 Reduced installation thickness (glass pane thickness)
- Can be used for security windows in accordance with resistance class RC-2
- Same function despite less glass weight Safe and pleasant indoor climate
- Reduction of CO₂emissions by up to 22 % due to the lower glass weight





**PREMIUM
SPLINTER
PROTECTION**

Simply safer!

Prevents splintering.
Minimizes injuries.

22



**PREMIUM
SOUND
PROTECTION**

Simply quieter!

More rest. More
sleep. Less stress.

Optional Shatterproof glass

SAFETY GLASS <small>coated uncoated</small>	
OPTIONAL	Strength
VSG laminated safety glass	4 mm 6 mm 8 mm 10 mm 12 mm
ESG toughened safety glass	3 mm 4 mm 6 mm 8 mm

Laminated safety glass (LSG) consists of two panes that are joined by tear-resistant PVB films. The broken glass forms a cohesive unit and thus prevents the risk of cuts and punctures.

Single-pane safety glass (ESG) shatters into many blunt-edged glass crumbs in the event of glass breakage, thus minimizing the risk of injury.

Optional Noise protection glass. Creates a pleasant sense of

SOUND INSULATION GLASS	
OPTIONAL	Sound insulation
PHONE 2-fold	36 - 50 dB
PHONE 3-fold	36 - 50 dB

Noise is unpleasant. And constant noise that you cannot control, to which you are defencelessly exposed at all times of the day and night, has been proven to make you ill. When installing windows, it is therefore important to The noise level present at the location can be an important selection criterion for the glazing to be chosen.

Modern soundproof glass can significantly reduce the noise level caused by road noise, aircraft noise, construction sites and much more.

Choosing the right soundproof glass blocks out the constant acoustic background noise and greatly attenuates sound level peaks.



**FALL PROTECTION
GLAZING**

Integrated security!

**For floor-to-ceiling
windows**



**INTEGRATED CRASH-
PROOF PARAPET
GLAZING**

Integrated security!

French balcony

**Fall protection for
French doors**



Optional

Fall-protection glazing (in accordance with DIN 18008-4) Integrated fall-protection parapet glazing Safety without compromise.

RISK-RETAINING GLAZING with building authority test certificate

OPTIONAL

CLIMAPLUS SAFE for double glazing

CLIMATOP SAFE for triple glazing

RISK-RETAINING GLAZING according to DIN 18008-4

OPTIONAL

ESG/VSG combinations in different variants

FALL PROTECTION FOR WINDOW DOOR

"FRENCH BALCONY" > FOR FRENCH WINDOWS WITH FALL HAZARD

OPTIONAL

Single pane laminated safety glass consisting of two toughened safety glass panes

Large, floor-to-ceiling glazing is the latest trend in modern architecture.

Cutting-edge design, plenty of daylight, maximum views... the advantages are obvious.

But there is also a disadvantage: especially if the glass wall is not on the first floor, there is a risk of falling if the glass breaks. This is why fall-protection glazing is prescribed here, in accordance with DIN 18008-4, depending on the construction, glass surface/fall height.

An elegant special solution is the so-called "French balcony", a floor-to-ceiling French window with a parapet-high glass wall integrated into the aluminum shell.

The linchpin of our windows. **Visible or partially concealed hardware.** The choice is yours.

A quality window must be built very sturdily - only then will it remain permanently torsion-resistant and perfectly sealed for many decades.

Sturdy windows have a high weight - not least due to the heavy triple insulating glass units - which increases proportionally with the window size.

The heavy weights of modern windows naturally require highly stable, durable suspensions - the so-called fittings.

At DÖPFNER, we only use hardware systems of the highest quality, which are built to last with a load-bearing capacity of up to 180 kg per window sash.

The **VIMATIC 3-D FITTING SYSTEM** is **partially concealed** in the window element and is installed as standard in our timber and timber-aluminum window systems (except timber-aluminum ECON). The load-bearing capacity is designed for a maximum sash weight of 80 kg.

For heavier sash weights (over 80 kg up to a maximum of 120 kg), only the **visible DOUBLE PANEL FITTING** can be **used**, can be used (only the double pot fitting is used for wood-aluminum ECON).

Double-pot fittings are also always fitted to French door units with thresholds.

HARDWARE SYSTEM PARTIALLY CONCEALED

Partially concealed, integrated **VIMATIC 3-D fitting** not visible from the outside



VISIBLE FITTING SYSTEM

externally visible, surface-mounted **DOUBLE TOP fitting**



The partially concealed VIMATIC 3-D fitting. The elegant and tidy solution for aesthetes.

The STANDARD fitting from DÖPFNER!

Viewed from the front, the hardware components of the VIMATIC 3-D system are completely concealed. Only from a lateral viewing angle - which is hardly possible due to the wall reveal - are the integrated pivot points partially concealed.

The sash weight of the VIMATIC 3-D fitting is limited to a maximum of 80 kg!



The visible double pot fitting. Attached instead of integrated.

Visually somewhat more present - but with maximum load-bearing capacity.

The surface-mounted double pot fitting components are visible from the front and side.

It can be used with all window systems - **for sash weights over 80 kg up to a maximum of 120 kg and for French window elements with thresholds, double pot fittings must be installed.**

The ECON timber-aluminum window system is supplied exclusively with double pot fittings.



Everything in
the handle. **Handle variants for every taste.**
Elegant and easy to use.

A good window handle feels good in the hand in the best sense of the word. After all, you touch this component very often over the decades of a window's life.

Our standard window handle, which is available in various surface finishes, is characterized by its elegant, timeless appearance and optimum function.

Designer handles, lockable variants and handle sets for French doors are optionally available.





**STANDARD
INCLUDED IN
DELIVERY**

WITHOUT RETAIL PRICE

MACO window handle

EV1 silver surface, also available in titanium |
bronze | white



OPTIONAL

RETAIL PRICE

Model FSB 1076

Stainless steel



OPTIONAL

RETAIL PRICE

**MACO lockable
window handle**

Surface EV1 silver,
optionally also available in
titanium | bronze | white



STANDARD

WITHOUT RETAIL PRICE

MACO window handle

Bronze surface



STANDARD

WITHOUT RETAIL PRICE

MACO window handle

White surface



WINDOW DOORS

OPTIONAL

RETAIL PRICE

**Z-TS lever handle set for
French doors**

Titanium surface optionally
also available in bronze |
white

For details see page 32-35



WINDOW DOORS

STANDARD

*WITHOUT RETAIL
PRICE*

Lockable gearbox

Titanium surface optionally
also available in bronze |
white

Comfort window doors for patios+ Co. **Operating comfort and security at front door level.**

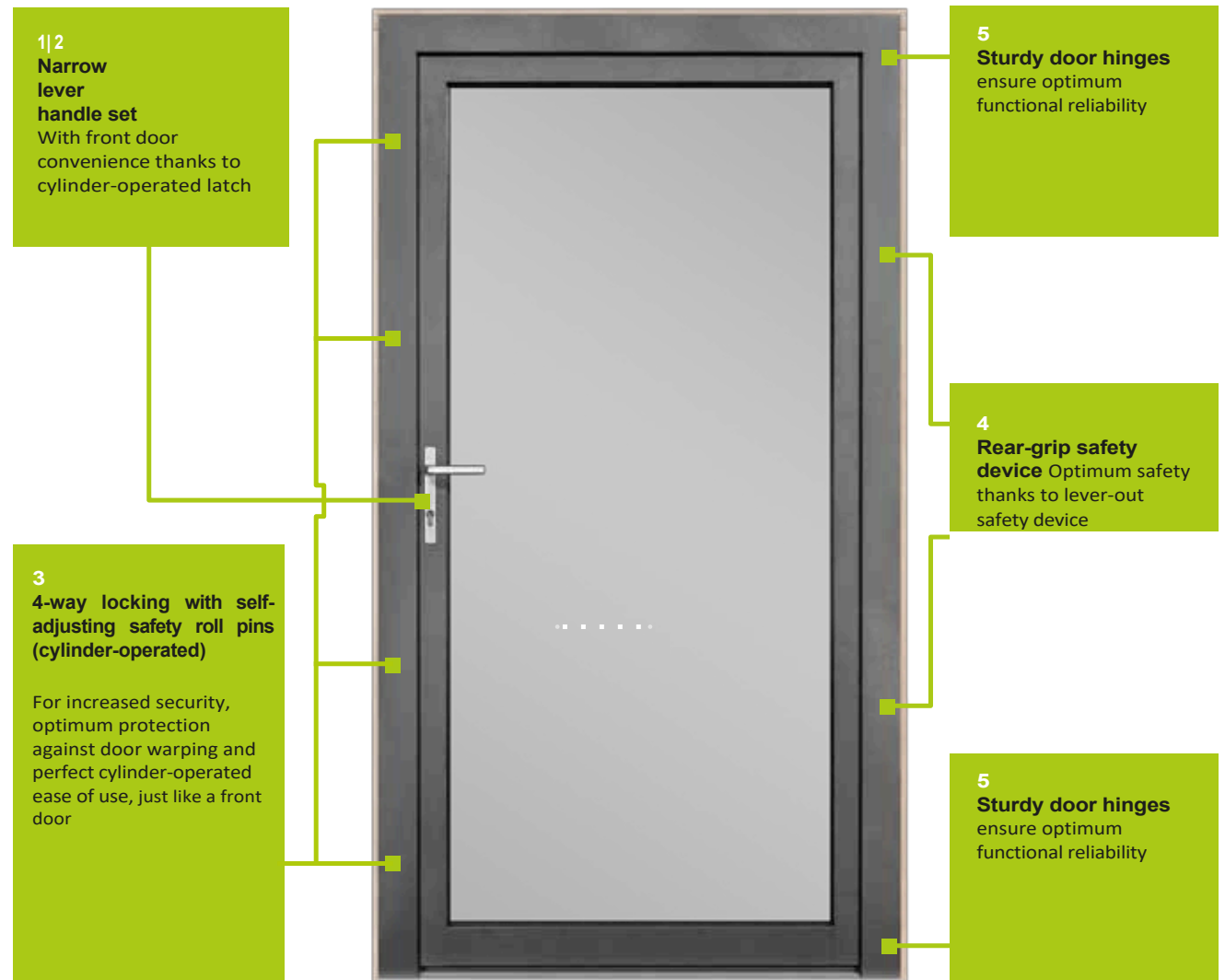
French doors are usually used as patio doors or side entrances and also require a "Handle" - lockable, of course and ideally just as easy and convenient to operate as a normal front door.

That's why, in addition to our **standard OPERATING LOCKABLE solution** (see page 31), we also **have** the **optional Z-TS variant** in our range, which brings ease of use and security up to the level of a high-quality front door.





Maximum convenience and security for French door elements.



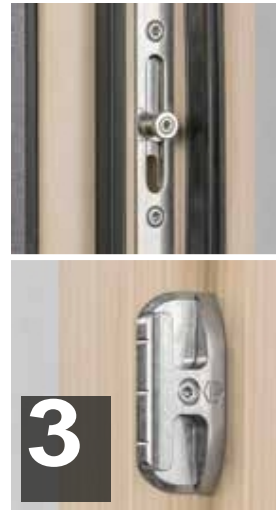
FRONT DOOR CONVENIENCE AND SECURITY FOR FRENCH DOORS. **THE MACO Z-TS 4iS LOCK SYSTEM**



Now with new convenience technology: the lock system MACO Z-TS 4iS



Maximum ease of use Cylinder-actuated operating convenience - just like a front door



Increased security thanks to four strong safety roller pins and integrated, sturdy back-grip safety catch on the hinge side



Stable mounting on the hinge side at the top and bottom with visible, surface-mounted fittings

Narrow frame set= BTV set inside and outside

Perfect sealing every step of the way. **The new COMFORT TS thresholds** for French door elements.



Although thresholds are at the bottom, they are rather inconspicuously built into the floor and are often trampled on.

But such a threshold is an extremely important component for the long-lasting, smooth operation of a French door.

The threshold should be barrier-free and ultra-flat, but still absolutely watertight - the bottom seal of the door element must keep out large amounts of water in heavy rain and ideally also drain it away. It ensures lasting stability and must adapt as flexibly as possible to on-site conditions - and the whole thing should also look good.

The new COMFORT TS threshold system is the beautifully designed solution for all requirements and eliminates any fear of thresholds.



Comfort TS Barrie-free threshold variants



TS-20- mÜ
 With sash flap
 and with height offset outside to
 inside



TS-0-mÜ
 With sash flap
 and without height offset outside to
 inside



TS-20- oÜ
 Without sash overlap
 and with height offset outside to
 inside



TS-0- oÜ
 Without sash overlap
 and without height offset outside to
 inside

No guarantee against condensation for the variants without sash rebate
 (system not tested!)



Comfort TS. Optionally with increased safety thanks to swivel hooks in the threshold

The threshold system is prepared for maximum safety.

On request and at an extra charge, the threshold can be fitted with a steel striker - firmly anchored with 4 screws - into which a steel hook engages when the door is closed. The hook engages deep into the striker and is therefore very lever-proof. With this additional all-round security, the door has a high level of burglar resistance.



Weather bar variants for French door elements.

Wood-aluminum window doors

■ **Figure 1**
Wood-aluminum window door with COMFORT TS-Threshold.
In the standard scope of delivery WITHOUT WEATHER SHIELD.

■ **Figure 2**
Wood-aluminum window door with COMFORT TS-Threshold.
OPTIONALLY WITH WEATHER SHIELD for an extra charge.



Wooden French doors

■ **Figure 1**
Timber French door with COMFORT TS threshold. Now as standard WITH WOODEN WEATHERBOARD.

The wooden weatherboard is included in the basic price for units with a threshold (no surcharge)!

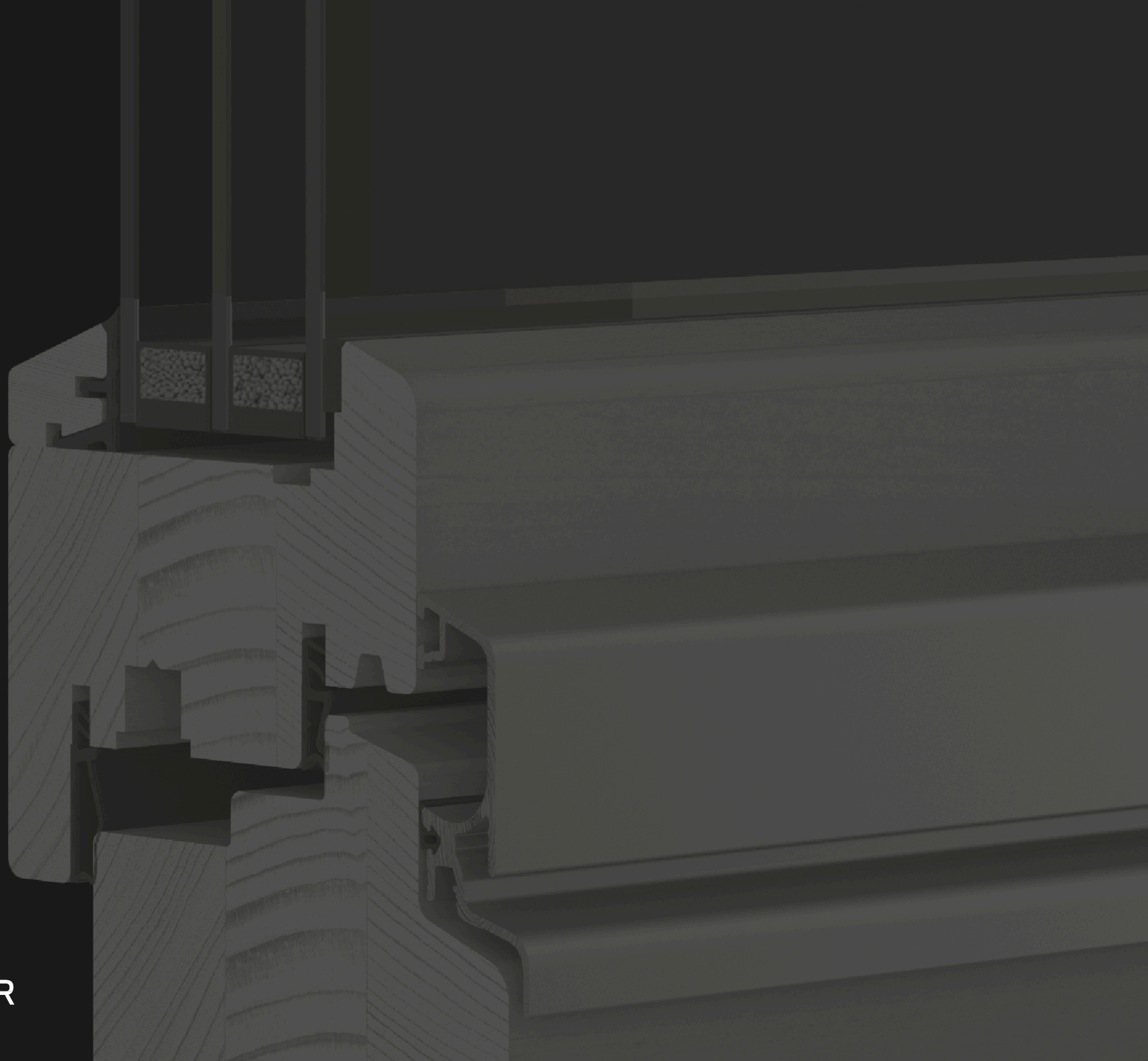
With silicone joint at the top of the weatherboard!

■ **Figure 2**
Wooden French door with wood at the bottom without threshold, with aluminum rain rail



■ **Figure 3**
Floor-to-ceiling wooden French doors WITH INSERT on request, for an extra charge! See current window price list > Surcharge for inserts

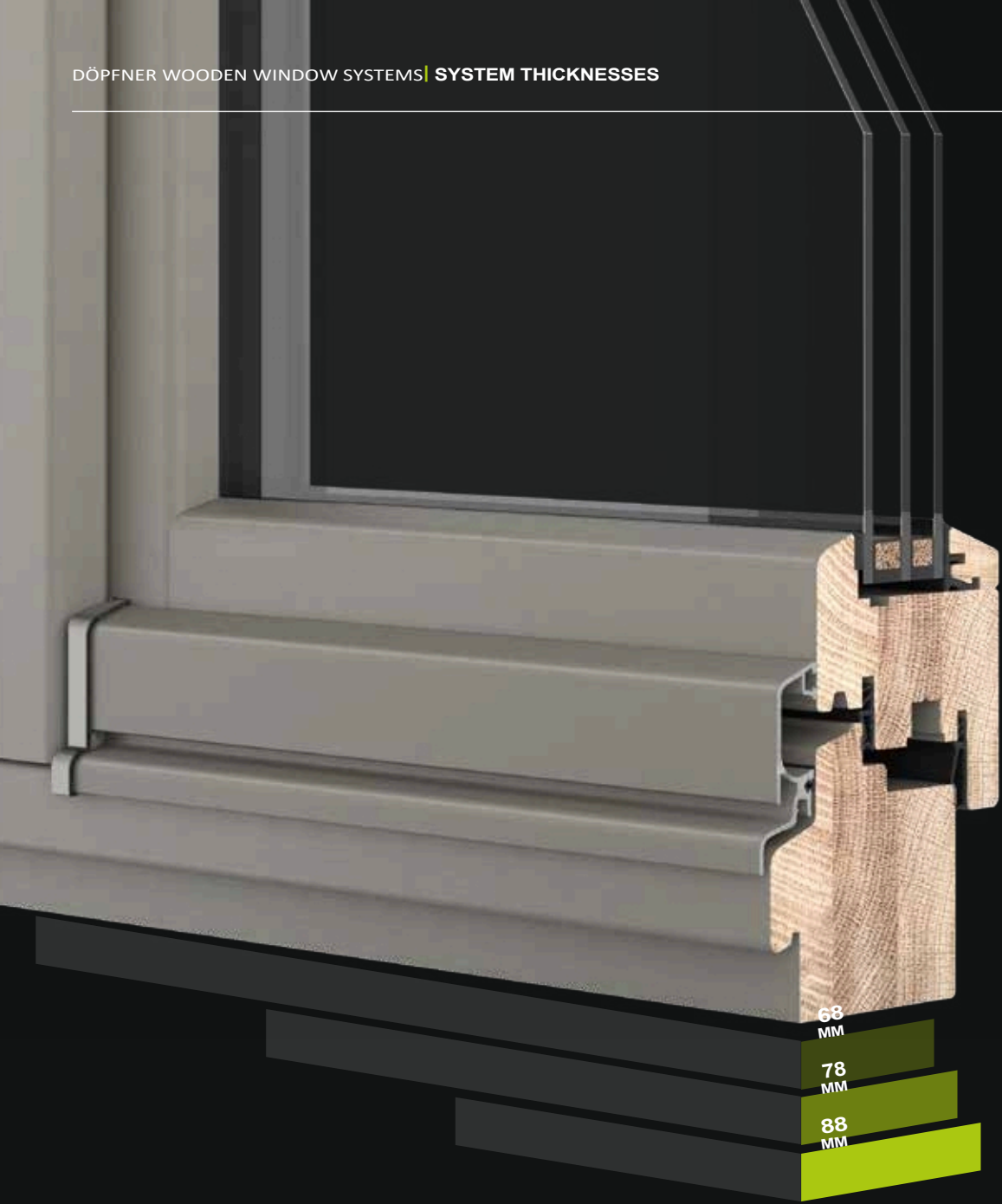
The wooden weatherboard is included in the basic price for units with a threshold (no surcharge)!





Wood

Window systems.



68
MM

78
MM

88
MM

Three **system strengths** are available.

Döpfner timber window systems are available in three system thicknesses (depending on the system).

In addition to greater stability, this means that even the thickest triple glazing can be used and the highest requirements for thermal insulation performance - up to passive house level - can be easily met.



WOOD FIXED GLAZING



MODERN DRY GLAZING INSTEAD OF SILICONE JOINTS

Optimum tightness thanks to high-quality seals that have much better elasticity than the cheaper silicone. Easier to replace the glass if damaged. Seals remain elastic for a long time and are easy to clean, whereas silicone becomes sticky over time and attracts dirt. Unlike silicone, dry glazing is therefore maintenance-free

HIGH-QUALITY SEALING

All seals are made of very high quality, permanently elastic material and thus ensure a high level of protection on two sides. Sealing levels for excellent, airtight and watertight sealing of the window elements

THERMALLY SEPARATED RAIN PROTECTION RAIL

Designed to overlap, Thermally separated rain protection rail Very good weather and heat protection.

HIGHLY STABLE CONSTRUCTION MADE FROM SOLID WOOD SCANTLINGS

The high-quality wooden scantlings are glued in opposite directions for maximum stability. The construction depths 68 and 78 are three-ply - the construction depth 88 is four-ply

PERFECT SURFACES

Long-lasting durability due to DIAMOND FINISH surface process. Narrow butt joints are specially sealed. No penetration of moisture possible. Various surface colors available - from translucent to opaque in many RAL/NCS colors. 2-color or colorless look possible.



DÖPFNER HYBRID SYSTEM

**DÖPFNER
PROTECT 68**



PROTECT 68
The innovative wooden window with aluminum shell on the window sash in 68 mm installation depth

**DÖPFNER
PROTECT 78**



PROTECT 78
The innovative wooden window with aluminum shell on the window sash with a construction depth of 78 mm

**DÖPFNER
PROTECT 88**



PROTECT 88
The innovative wooden window with aluminum shell on the window sash with a construction depth of 88 mm

Döpfner wooden windows.
All systems at a glance.

DÖPFNER HOLZ CLASSIC SYSTEM

**DÖPFNER
WOOD 68**



Wood 68
with new rain rail variant in the installation depth 68 mm.

**DÖPFNER
WOOD 78**



Wood 78
with rain rail variant with a construction depth of 78 mm.

**DÖPFNER
WOOD 88**



Wood 88
with new rain rail variant in the installation depth 88 mm.

DÖPFNER WOOD STYLE SYSTEM

**DÖPFNER
PROFILED**



With Classic profiling on the inside and outside - in 68 mm installation depth.
Also available in installation depths of 78 and 88 mm.

**DÖPFNER
STIL 1**



Style window with style rain rail and wooden weatherboard in a depth of 78 mm.
Also available in installation depths of 68 and 88 mm.

**DÖPFNER
STIL 2**



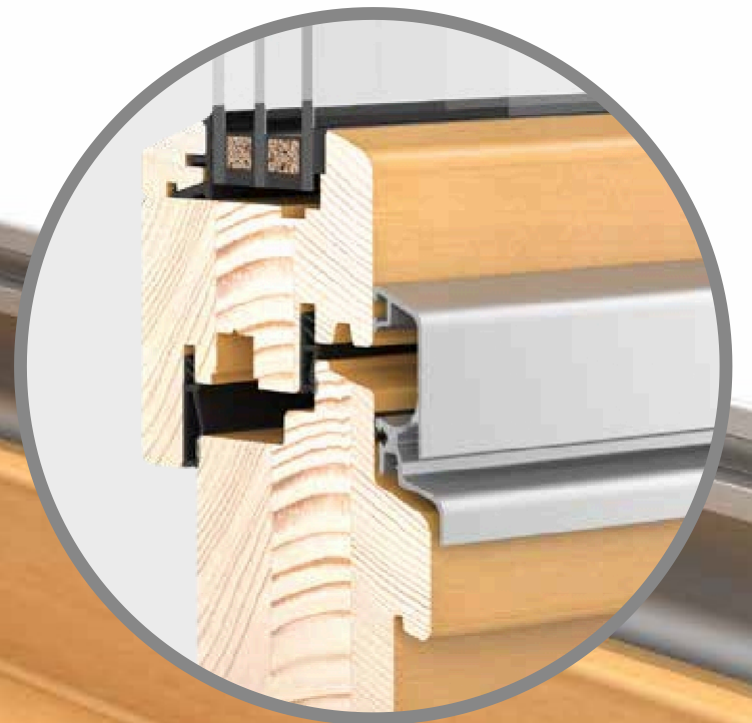
Style window without rain rail with wooden weather bar on the sash in a basic depth of 78 mm. Also available in installation depths of 68 and 88 mm.

The classic timber window. **Classic wood.** Interior view.

The timeless window classic.

It all began with WOOD windows. Wooden windows were the first windows in the history of mankind - and also at Döpfner. And there are many reasons why we, apart from the optional addition of aluminum components - in over 100 years of company history. The current Döpfner HOLZ window has been optimized with every generation.

The modern state of timber window technology is more durable and energy-efficient than ever before. And very versatile - from modern to classic to historical renovation and monument protection.

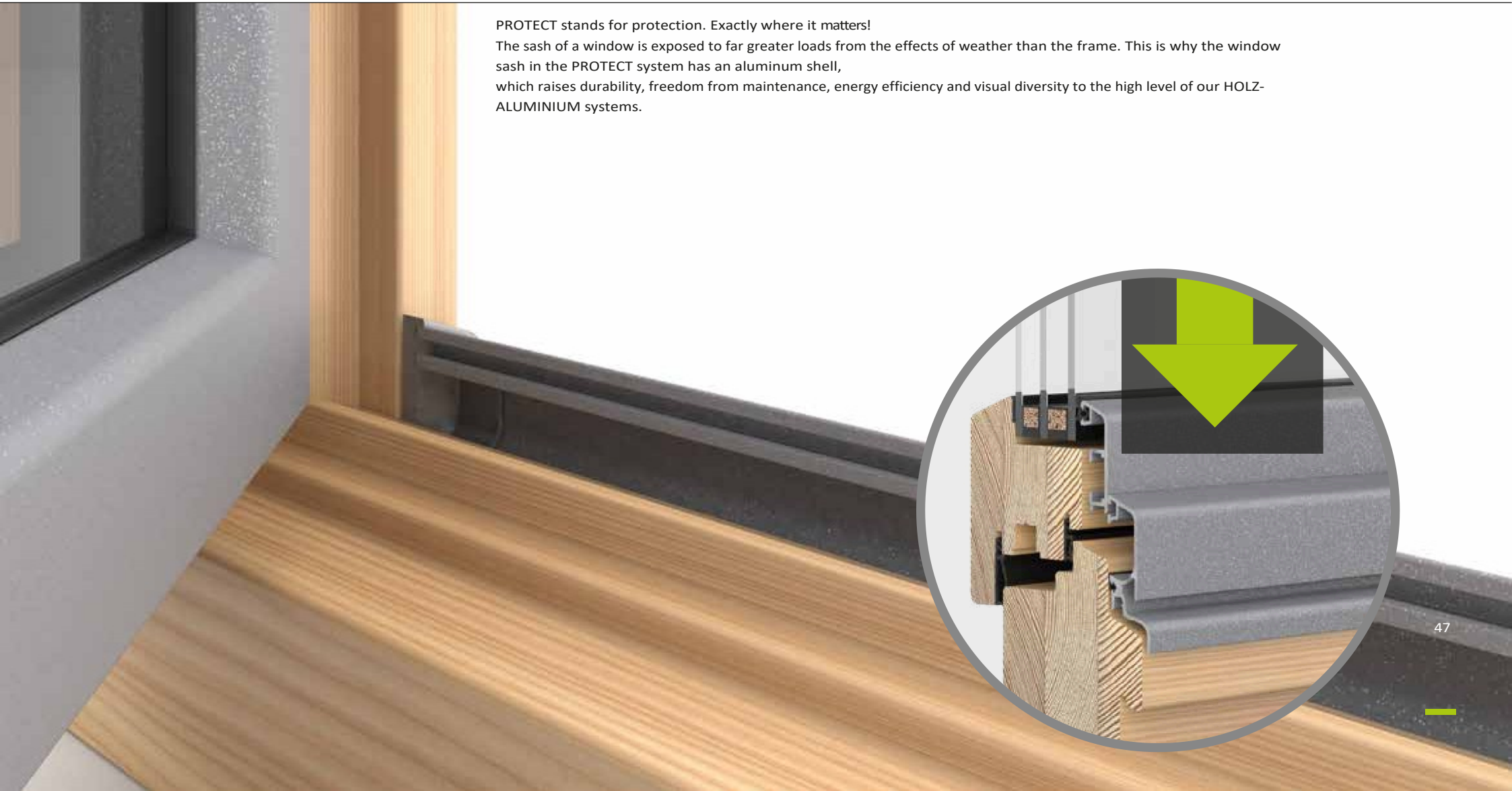


The innovative wooden window. **Wood Protect.** Interior view.

The wooden window with aluminum sash shell.

PROTECT stands for protection. Exactly where it matters!

The sash of a window is exposed to far greater loads from the effects of weather than the frame. This is why the window sash in the PROTECT system has an aluminum shell, which raises durability, freedom from maintenance, energy efficiency and visual diversity to the high level of our HOLZ-ALUMINIUM systems.



The hybrid window. **Wood Protect.** A classic timber window. But with an **aluminum wing shell.**

DÖPFNER produces timber windows and timber-aluminum windows. Both systems have specific advantages.

The PROTECT window system has an aluminum shell exactly where it matters most - on the window sash.

This is where the weather influences are strongest! Dispensing with aluminum cladding on the window frame saves costs!

The result: a favorable price level and optimum weather protection.

In addition, the sash design means that there is no need for glazing beads on the inside - here too, the smooth appearance of the modern beveled glazing bead corresponds to our timber-aluminum window systems.

PROTECT now combines the best of both worlds.

1

ALUMINIUM

WOODEN WINDOW SASH **WITH ALUMINIUM SHELL** OUTSIDE

2

WOOD

WOODEN **WINDOW** FRAME WITHOUT ALUMINIUM SHELL



WOOD

PROTECT 78

**The innovative Döpfner hybrid window:
A wooden window with aluminum sash shell in the
installation depths 68-88 mm**

Optics: Wooden windows

Weather protection: wood-aluminum windows

Slim look with very narrow face widths.

68
MM

TYPE 4

78
MM

TYPE 4

88
MM

TYPE 4







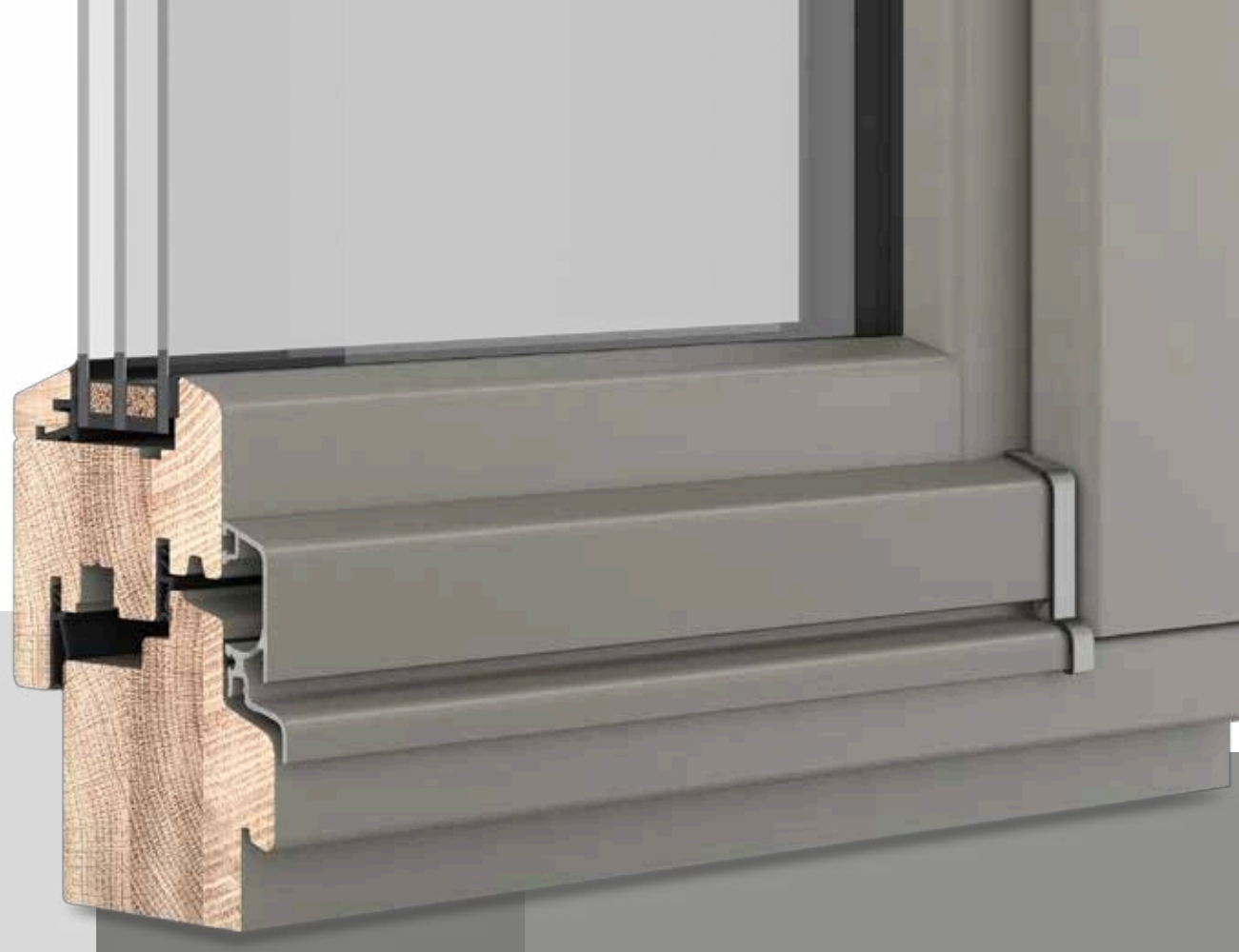
The wooden window. **Classic wood.** Our timeless, classic timber window. **State-of-the-art technology.**

CLASSIC - tried and tested over many years, timeless, universal, durable... That's what we've called our wooden window - because that's exactly what it is!

For over 100 years, the latest technical developments have been incorporated into the design year after year. From the highly stable, durable timber "core", to the latest glazing beads, seals and dry glazing, through to the new, extremely weather-resistant DIAMOND FINISH surface technology, everything is subject to the constant flow of technical innovation.

This is why the current DÖPFNER wooden window has nothing in common with a window from our founding year of 1906 - except over 100 years of tradition, progress and the conviction that regional wood of short distances is still the truly sustainable and ecologically sensible window material.





68
MM

78
MM

88
MM

WOOD

CLASSIC 78

The innovative Döpfner timber window in installation depths 68-88 mm

State-of-the-art technical design and permanently weather-resistant DIAMOND FINISH surface coatings ensure long durability and trouble-free operation for decades.

The wooden window. **Wood Classic *PROFILIED***. Our wooden window with classic decorative profiling.

This window system is fully in line with our CLASSIC-

Wooden windows - except for one small detail.

The window sash and window frame are provided here with a decorative profile, which in the case of this window emphasizes the modern, timeless look more in the direction of classic style.

All technical aspects of the window system remain unchanged.



PROFILE
INSIDE+OU
TSIDE



WOOD
PROFILED

Variant of the Classic wooden window
with profiled glazing bead,
profiled glazing rebate and frame, in the
installation depths 68| 78| 88 mm.

68
MM

78
MM

88
MM



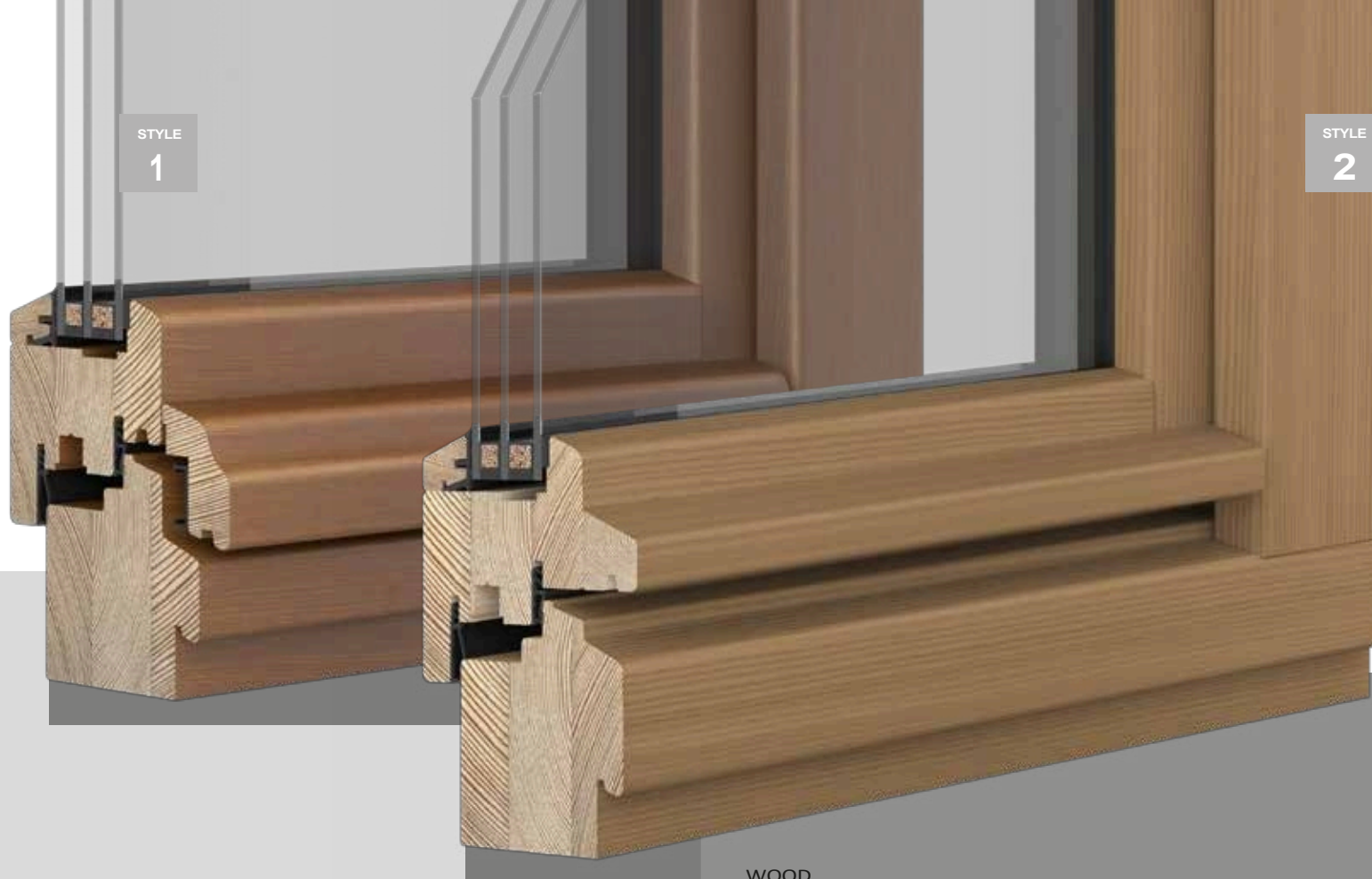


The wooden window. **Wood style.** For historical renovation and **monument protection.** Historic appearance paired with state-of-the-art technology.

Architectural styles have developed over thousands of years and are very diverse. And every architectural style requires stylistically appropriate windows.

Modern wood-aluminum windows, or even just "normal" wooden windows - in a half-timbered house? That's hard to imagine - if only because the monument protection authorities would intervene here.

Our STIL window systems are the right solutions for Applications in listed buildings and for all renovation projects in a historical context.



STYLE

1

STYLE

2

WOOD

STYLE 1 78

Our style window with style rain bar and wooden weather bar
in the installation depths 68 | 78 | 88 mm

WOOD

STYLE 2 78

Our style window without rain rail with wooden weatherboarding on the sash
in the installation depths 68 | 78 | 88 mm
with water drainage to the front



Optionally also with
PROFILIZATION

> Page 54-55

68
MM

78
MM

88
MM





More glass. Less wall. **Timber window sliding systems**

Simply slide the window out of the way if necessary.

Sliding elements - the combination of fixed glazing and a French door with a sliding mechanism, enable large glass surfaces and even larger openings than simple French doors.

In conjunction with timber window systems, sliding systems in PSK (parallel slide and tilt) or PAS (parallel slide and stay) constructions are generally used.

Our HST lift and slide systems can also be used for even larger panoramic glass surfaces:

- HST 2.0 also WOOD version
- HST 3.0 + 4.0 only wood-aluminum version available



Example illustration WOOD ALUMINIUM SLIM 31



System
PSK
with sliding
and tilt function



System
PAS
with sliding
and parking function

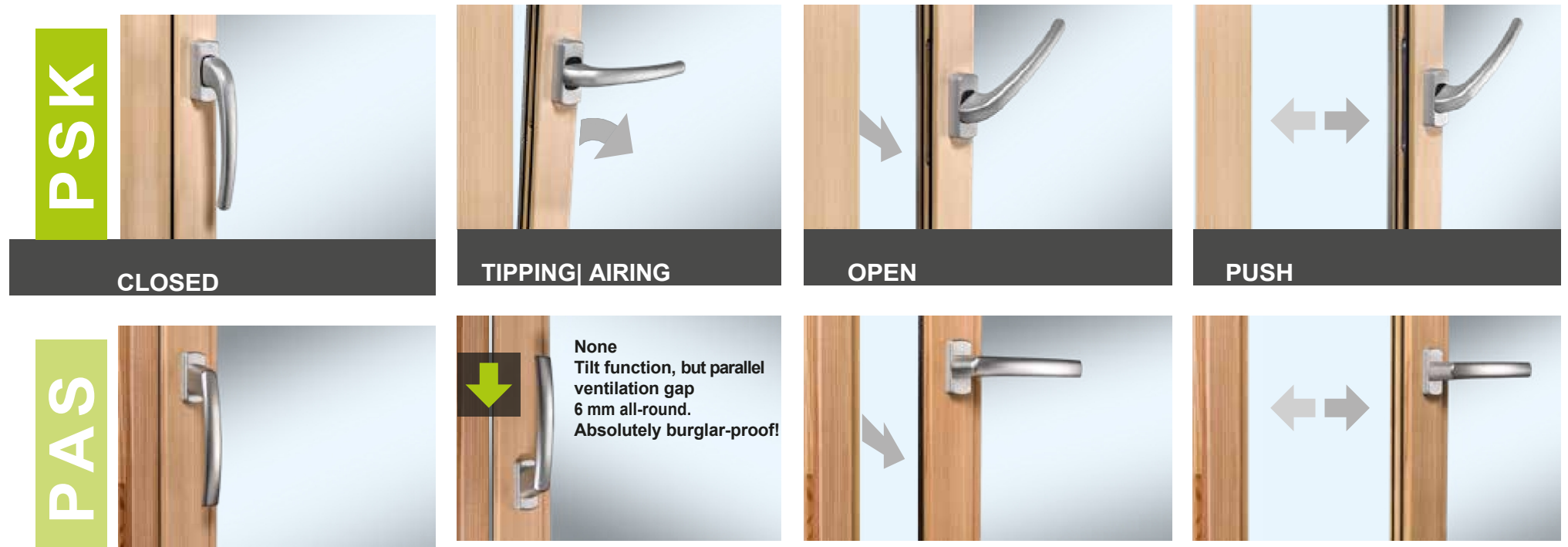
Design variants

Sliding elements

PSK *Parallel tilt and slide*

Sliding units **PAS**

Parallel sliding/stopping



1 DÖPFNER PSK

WITH SLIDE AND TILT FUNCTION

Compared to the HST elements, the PSK/PAS doors are ideal for slightly smaller formats.

With these solutions, the movable sliding elements run - in contrast to the HST construction - not within the frame, but parallel to the frame.

PSK doors are therefore less bulky and the system depth is the same as our window systems. The slide and tilt function is operated using a triple lever handle.

Please note that with PSK doors - in comparison for HST systems (lift and slide elements| see catalog HOLZ-ALUMINIUM-SYSTEME) - barrier-free threshold solutions are not possible due to the design!

2 DÖPFNER PAS

WITH PARTICULARLY COMFORTABLE SLIDING FUNCTION WITH GAS PRESSURE DAMPER. NO TILT

FUNCTION!

Our PAS doors are basically constructed in a similar way to our PSK elements.

Operation (unlocking | locking and sliding function) via a 2-way lever handle is supported by a built-in gas pressure switch.

The **tilt function is not possible with this variant due to the design!** Ventilation function only (due to the tilt function with all-round ventilation gap)





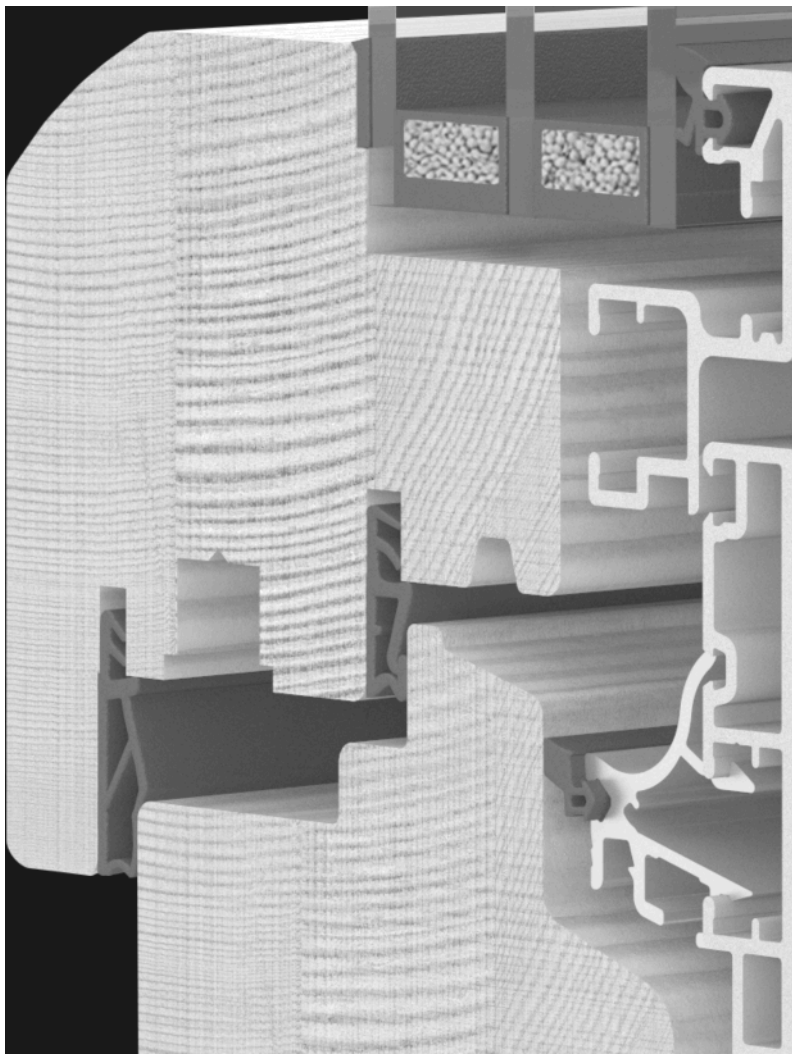
Haus restauriert durch die Firma J. & P. Wegener im Jahre 2002 komplett







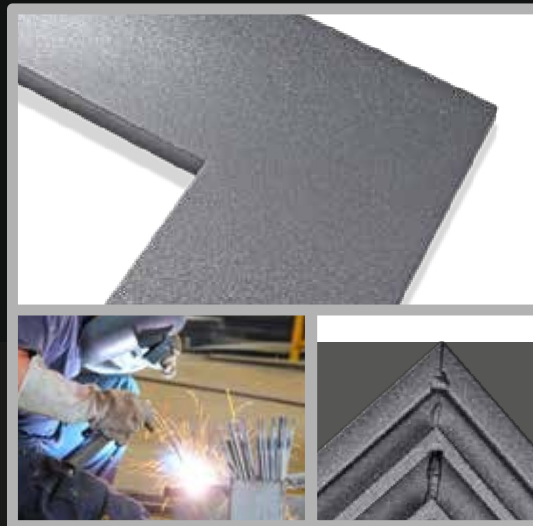
DOPFNER



Wood- aluminum. Window systems.

Wood and metal. Perfect teamwork.
Aluminum outer shells for windows and front doors. Ultra-light,
maximum durability and endlessly recyclable.
First-class surfaces for DÖPFNER
wood-aluminum windows.

At DÖPFNER-
wood-aluminum window
systems, the corner joints of the
aluminum shells are not simply
plugged in and glued, but are
produced in a complex process.
SEAMLESSLY WELDED



**Comfortable wood on the inside and durable
metal on the outside - DÖPFNER wood-
aluminum window systems are the high-end
solution for exclusive requirements.**
Aluminum is a light metal - but it has serious
advantages. It is very easy to process, takes on
any shape and can be recycled endlessly
without any loss of quality.

make suggestions
The new sash and frame side -
for the ideal wooden window.

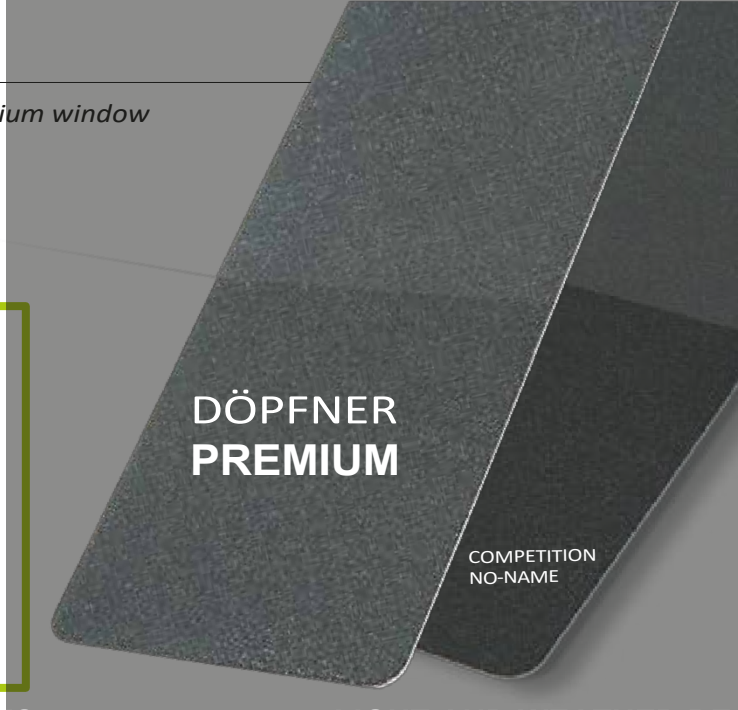
e Selection of
and surfaces also visually





You can choose from six surface collections

The DÖPFNER specialist dealer has the six **PREMIUM color fans** with all original color samples.



PREMIUM ALUMINIUM SURFACES.

Powder coatings are available in many quality levels.

We rely on PREMIUM!

In the beginning they all look relatively the same - but after many years you can see what a difference real quality makes.

The highly weather-resistant PREMIUM surfaces of our aluminum partner STEMESEDER meet the highest quality standards.

ALU

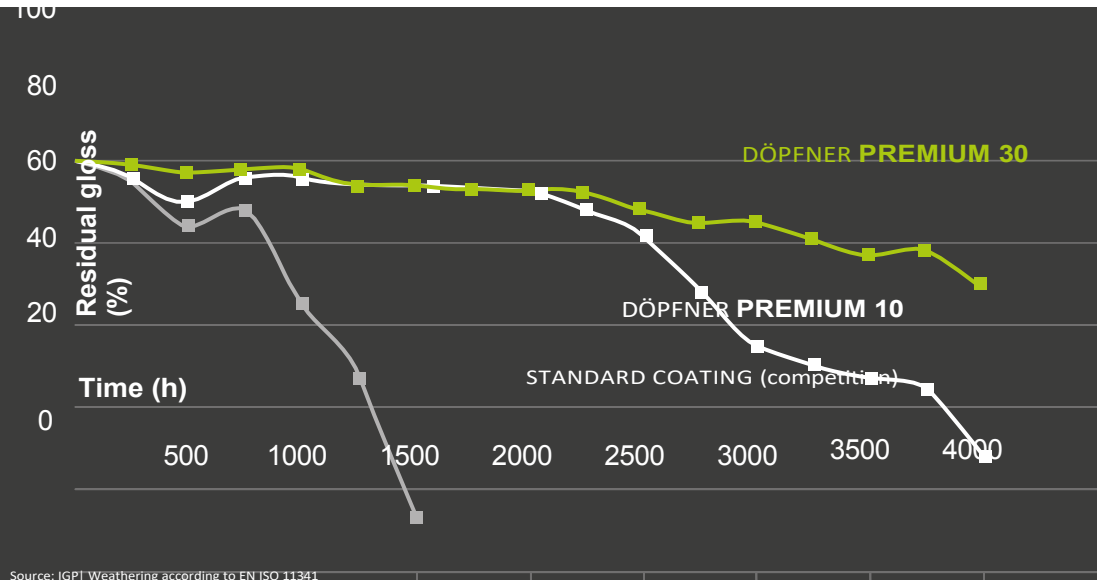
PREMIUM 10

PREMIUM 10 SELECT

PREMIUM 10 PFS

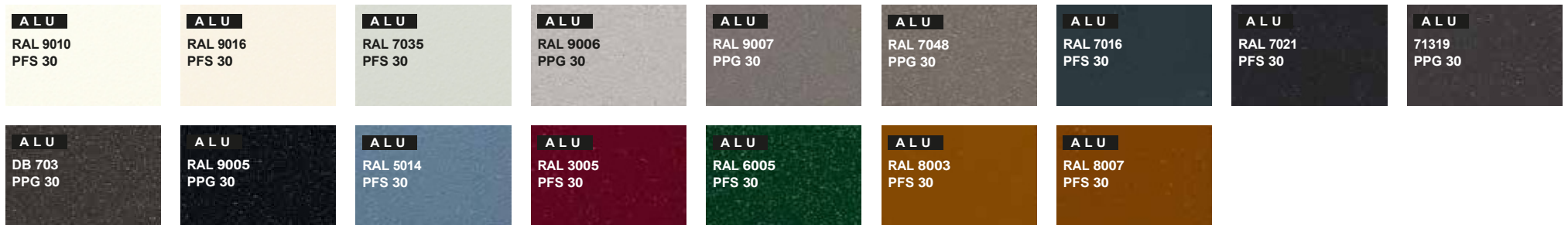
PREMIUM ANODIZING COLLECTION

PREMIUM MASTER COLLECTION

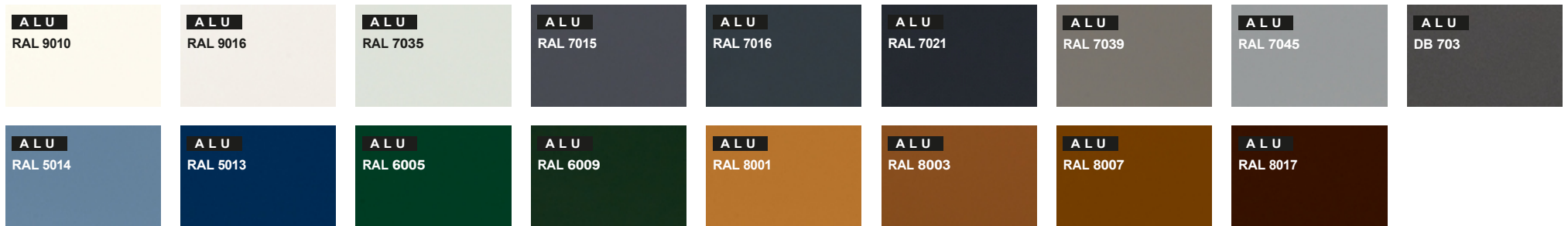


Source: IGP | Weathering according to EN ISO 11341

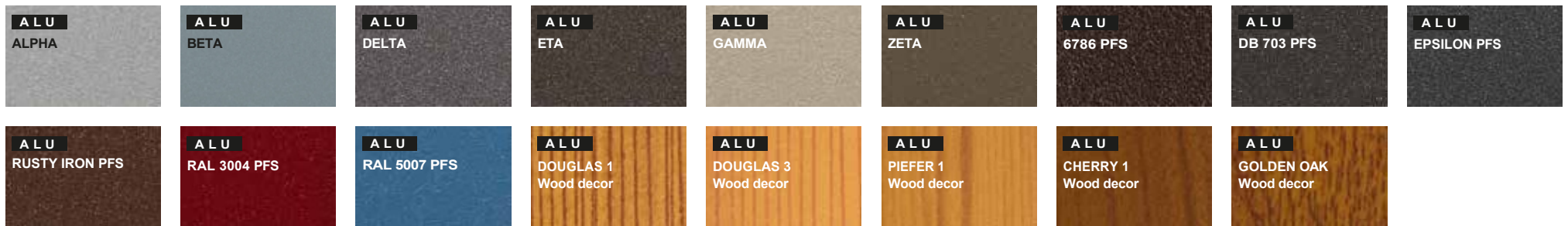
PREMIUM 30 ALUMINIUM



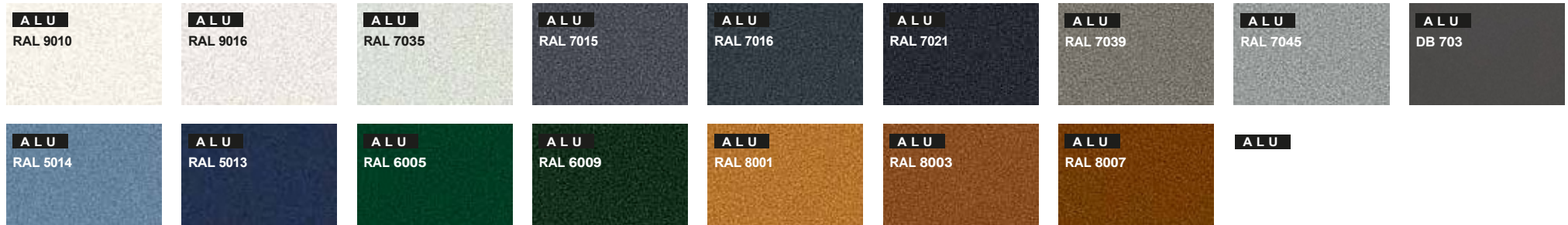
PREMIUM 10 ALUMINIUM



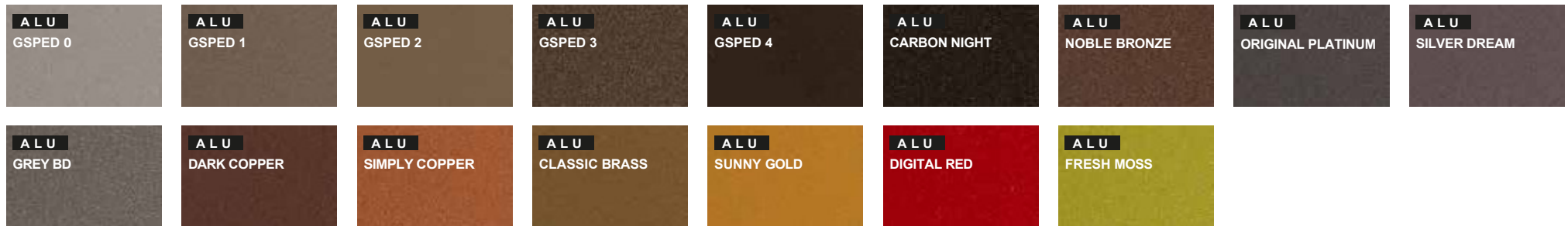
PREMIUM 10 SELECT ALUMINIUM



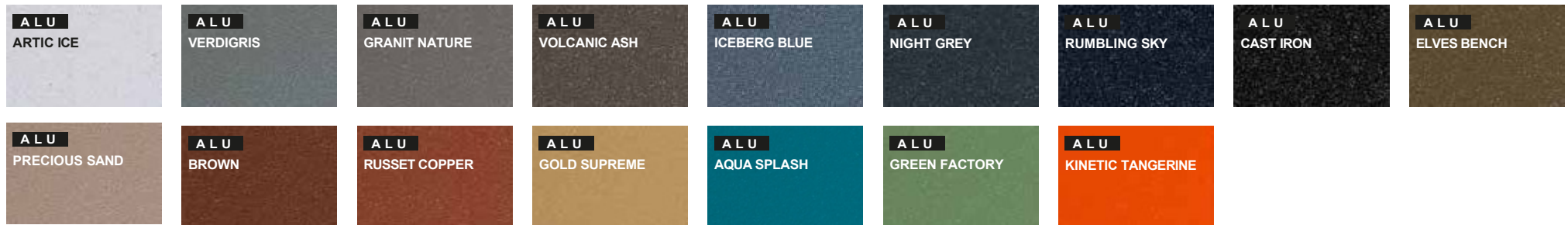
PREMIUM 10 PFS ALUMINUM



PREMIUM ANODIZING COLLECTION ALUMINIUM



PREMIUM MASTER COLLECTION ALUMINUM





Wood-aluminum windows. Premium.

Overview of the system variants.

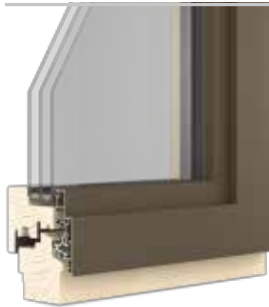
DÖPFNER PREMIUM OFFSET

PREMIUM SLIM 1



Offset aluminum construction with beveled aluminum profiles.
Edge radius 2 mm.

PREMIUM SLIM 3



Offset aluminum construction with 90° edges on sash and frame shell.

PREMIUM CONTUR 3 color



Offset aluminum construction with stepped glass look. Corner joints of the sash shell not welded.

PREMIUM INTEGRA 2.0 color



Offset aluminum construction with integrated sash. Corner joints of the sash shell not welded.

DÖPFNER PREMIUM FLUSH-MOUNTED

PREMIUM CONTUR 2



Flush aluminum construction with 90° frame and sash shell and all-round shadow gap.

Wood-aluminum window system. **Premium.** Interior view.

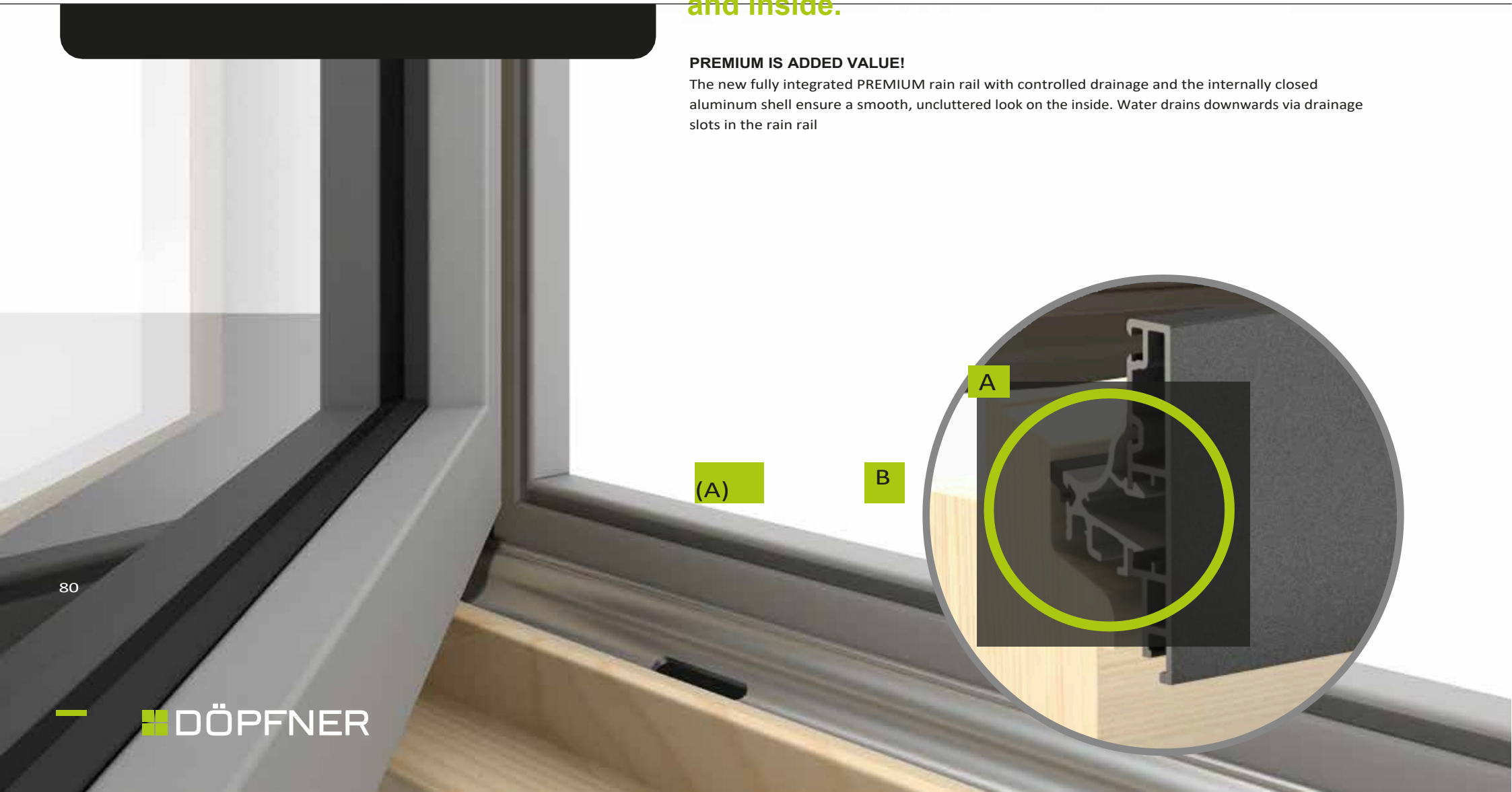
A

B

PREMIUM is the perfect look. Outside and inside.

PREMIUM IS ADDED VALUE!

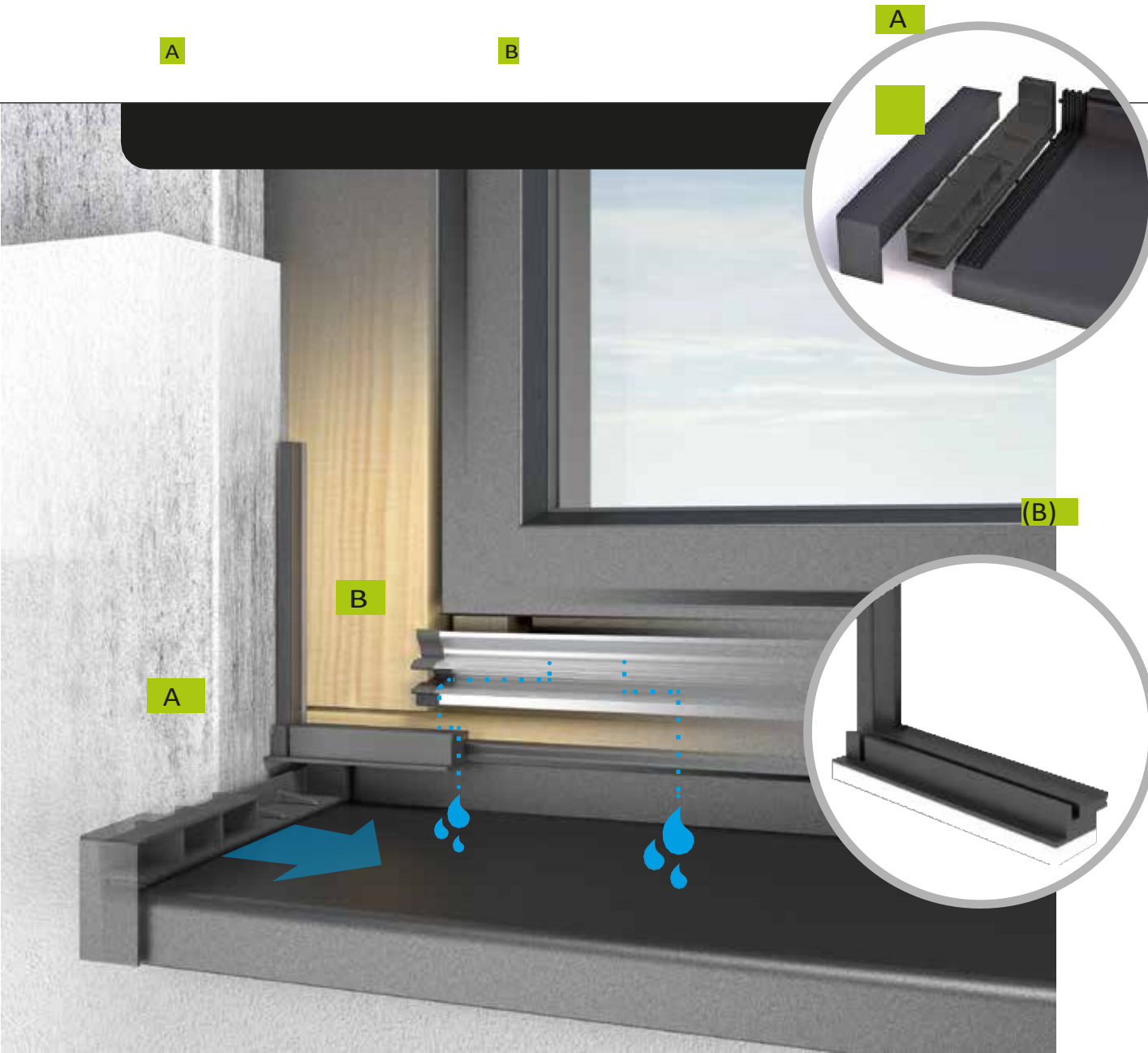
The new fully integrated PREMIUM rain rail with controlled drainage and the internally closed aluminum shell ensure a smooth, uncluttered look on the inside. Water drains downwards via drainage slots in the rain rail



(A)

B

Wood-aluminum window system. Premium. Exterior view.



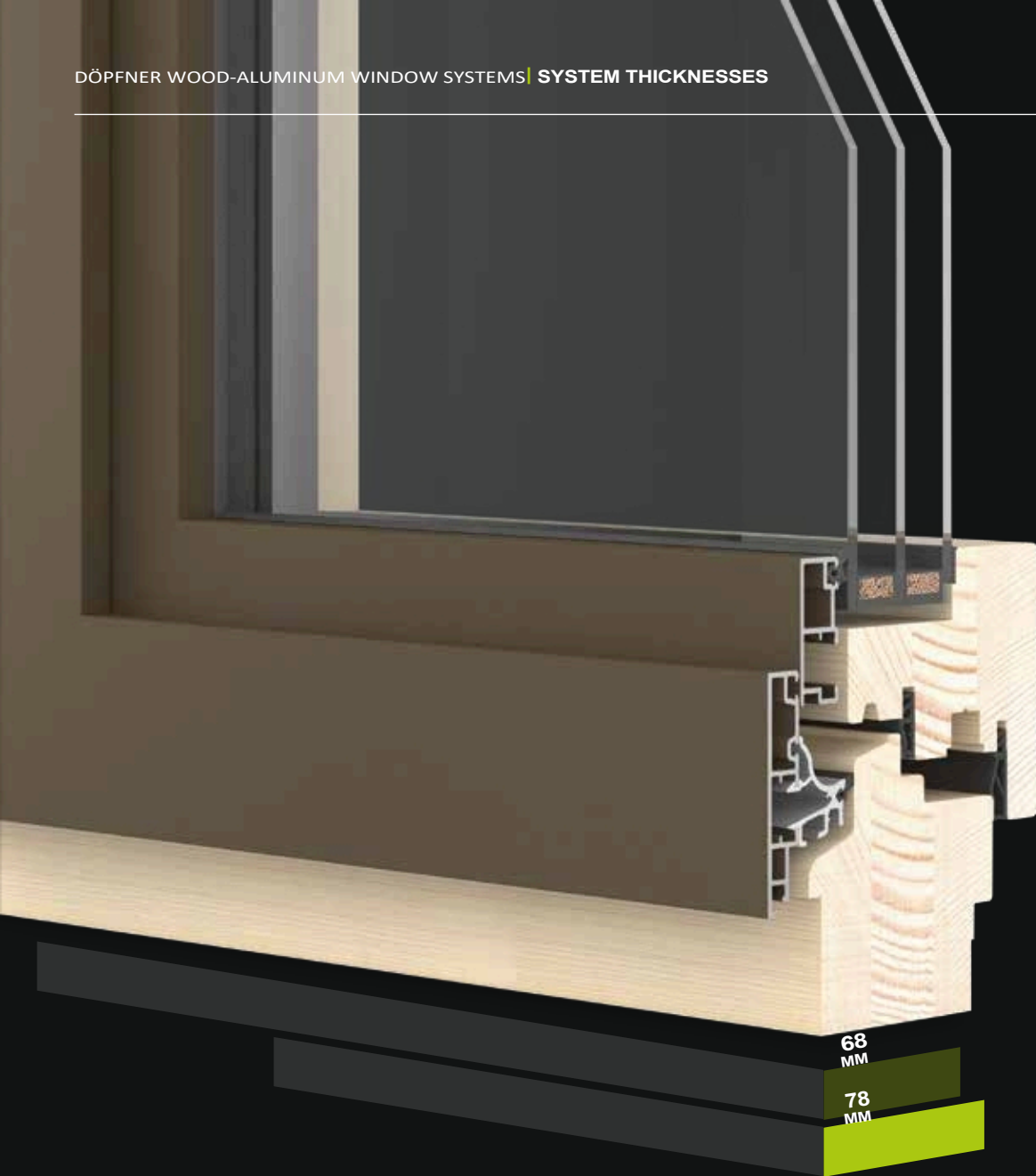
PREMIUM is perfect sealing.

PREMIUM IS WELL THOUGHT-OUT FUNCTION!

Optimum water sealing of the window element and window sill to the masonry is very important, especially for façades with full thermal insulation, and was therefore a primary requirement in the development of the PREMIUM window system.

The sealing bridge in the bottom corner of the window ensures controlled, visually unobtrusive drainage downwards and the labyrinth seal of the new sliding sill pieces seals between the window sill and the window.

Masonry perfectly. Drainage slots and cover caps are no longer required.



68
MM

78
MM

Two **system strengths** are available.

Döpfner wood-aluminium window systems are available in two system thicknesses (depending on the system).

In addition to greater stability, this means that even the thickest triple glazing can be used and the highest requirements for thermal insulation performance - up to passive house level - can be easily met.



FOUR INTERIOR PROFILE VARIANTS

TYPE 1 Classic profiled



TYPE 2 Oblique rounded

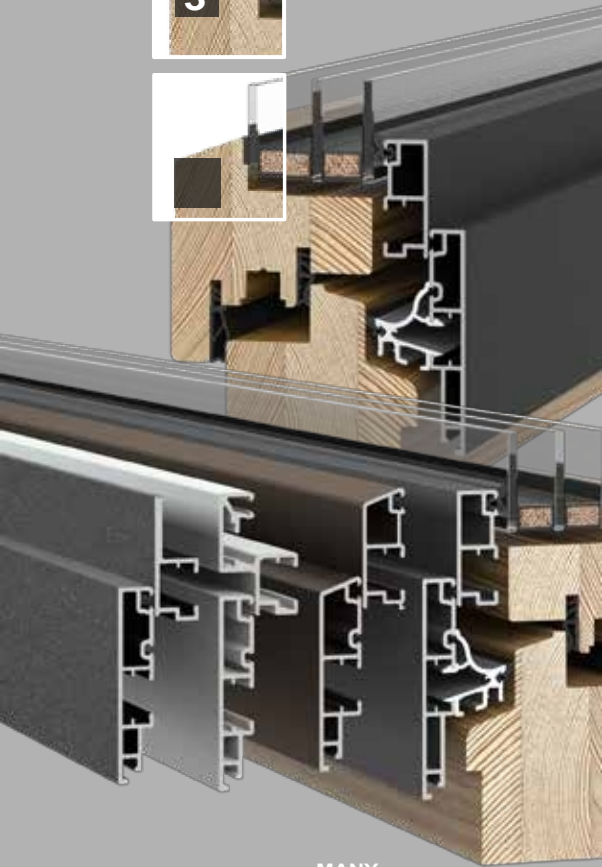


TYPE 3 Cubic 90°



TYPE 4 Oblique*

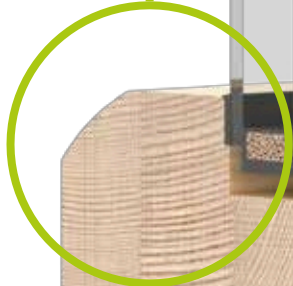
* Not for all systems



MANY ALUMINUM PROFILE VARIANTS AVAILABLE!

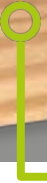
MODERN DRY GLAZING INSTEAD OF SILICONE JOINTS

Optimum tightness thanks to high-quality seals that have much better elasticity than the cheaper silicone. Easier to replace the glass if damaged. Seals remain elastic for a long time and are easy to clean, whereas silicone becomes sticky over time and attracts dirt. Unlike silicone, dry glazing is therefore maintenance-free



HIGH-QUALITY SEALING

All seals are made of very high quality, permanently elastic material and thus ensure a high level of protection on two sides. Sealing levels for excellent, airtight and watertight sealing of the window elements



HIGHLY STABLE CONSTRUCTION MADE FROM SOLID WOOD SCANTLINGS

The high-quality wooden scantlings are glued in opposite directions for maximum stability, three-ply design and available in construction depths of 68 and 78 mm.



FIRST-CLASS ALUMINUM SURFACES

The high-quality powder coating of our aluminum shells results in very attractive, homogeneous surfaces. Thanks to the wide range of colors and many different profile variants, DÖPFNER wood-aluminum window systems also offer an extremely versatile look that adapts to any architectural style.

Wood-aluminum. Premium. Slim 1. Surface offset. With beveled edges.

SLIM 1 - this variant of our PREMIUM-Line comes with a
The edges of the outer aluminum shells on the frame and window sash are beveled by approx. 20 degrees.

Compared to the ECON SLIM 3 system, the chamfering results in a less angular-cubic appearance.

Like all PREMIUM variants
SLIM 3 is also equipped with the integrated rain rail.





WOOD ALUMINIUM
PREMIUM SLIM 1 78

The premium window with SLIM 1 aluminum shell

EDGE RADIUS 2 MM
 BEVEL 20°

Offset aluminum construction with beveled frame and sash shell. Edge radius 2 mm.



*TYPE 4 not possible with all glass thicknesses!





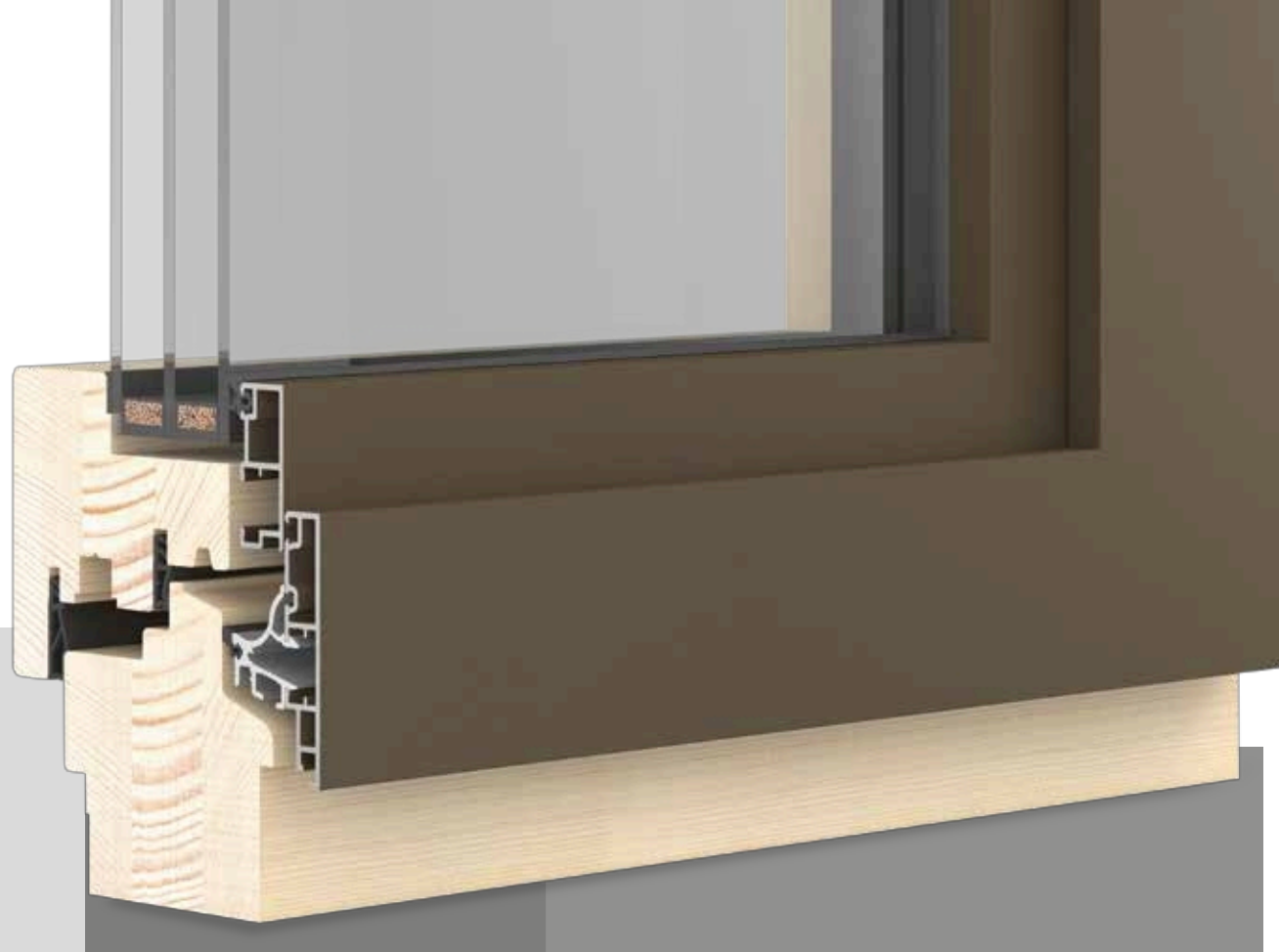
Wood-aluminum. **Premium. Slim 3.** Surface offset. With right-angled edges.

SLIM 3 - this variant
has right-angled 90 degree edges of the outer
aluminum shells on the frame and window
sash.

Compared to the beveled ECON SLIM 1
system, the right-angled edges result in a very
clear angular-cubic appearance.

Like all PREMIUM variants
SLIM 3 is also equipped with the integrated rain
rail.





WOOD ALUMINIUM

PREMIUM SLIM 3 78

The premium window with SLIM 3 aluminum shell

EDGE RADIUS 0 MM

BEVEL 90°

Offset aluminum construction

with 90° edges on sash and frame shell.



*TYPE 4 not possible with all glass thicknesses!





Wood-aluminum. Premium. Contur 2. Flush with the surface. With all-round shadow gap.

CONTUR 2 - is designed to be FLAT compared to all other wood-aluminum systems in our range.

The sash shell and frame shell are on the same level and are separated only by a narrow shadow gap.

Like all PREMIUM versions, CONTUR 2 is also equipped with the integrated rain rail.





WOOD ALUMINIUM

PREMIUM CONTUR 2 78

The premium window with CONTUR 2 aluminum cladding Flush aluminum

construction

with 90° frame and sash shell
and all-round shadow gap

68
MM



78
MM







Wood-aluminum. Premium. Contur 3 color.
Offset surface.
Extremely flat sash frame with
stepped glass look

CONTUR 3 COLOR - the sash frame is of normal width but extremely thin, resulting in a very interesting flat sash look.

Like all PREMIUM versions, CONTUR 3 is also equipped with the integrated rain rail.





WOOD ALUMINIUM

PREMIUM CONTUR 3 color 78

The premium window with CONTUR 3 aluminum cladding Offset aluminum

construction

with stepped glass look.

Corner joints of the wing shell not welded.

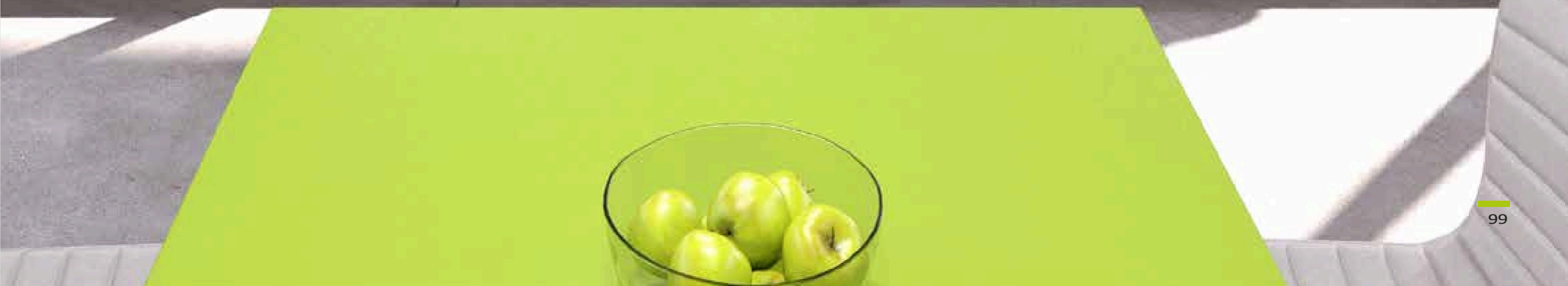
68
MM



78
MM







Wood-aluminum. **Premium. Integra 2.0 color.** Avant- garde all-glass look. Almost concealed sash frame.

INTEGRA 2.0 COLOR - integrated in the sense of optically integrated window sash.

The extremely thin sash frame, which is only a few millimeters narrow, is barely visible and thus creates a very modern all-glass look that differs greatly from our other window systems.

Like all PREMIUM variants
INTEGRA 2.0 is also equipped with the integrated rain rail.





WOOD ALUMINIUM

PREMIUM INTEGRA 2.0 color 78

The premium window with INTEGRA 2.0 aluminum cladding Offset

aluminum construction

with integrated sash.

Corner joints of the wing shell not welded.

68
MM



78
MM





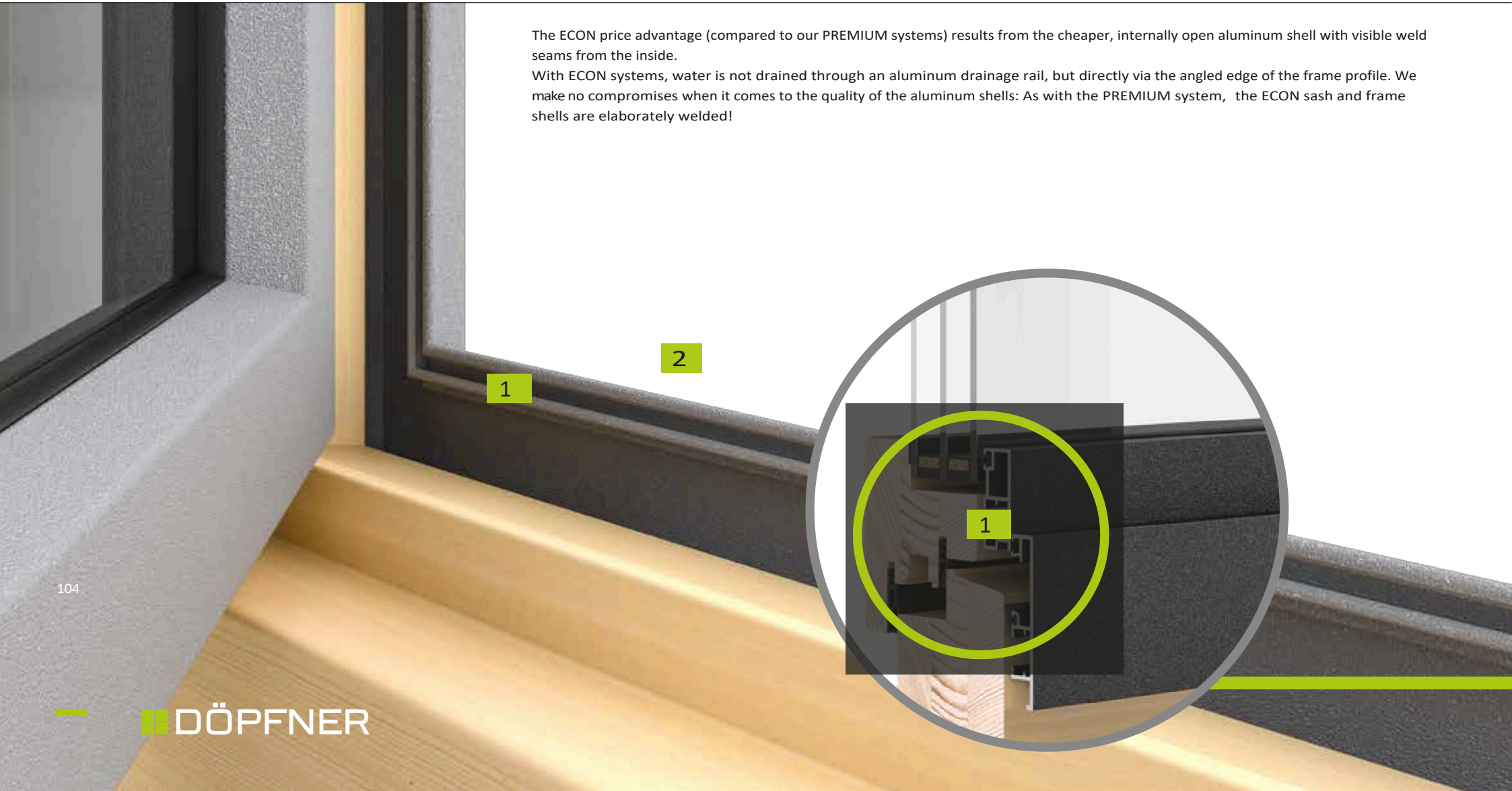


Wood-aluminum window system. **Econ.** Interior view.

The quality window with a savings effect.

The ECON price advantage (compared to our PREMIUM systems) results from the cheaper, internally open aluminum shell with visible weld seams from the inside.

With ECON systems, water is not drained through an aluminum drainage rail, but directly via the angled edge of the frame profile. We make no compromises when it comes to the quality of the aluminum shells: As with the PREMIUM system, the ECON sash and frame shells are elaborately welded!



DÖPFNER ECON SURFACE OFFSET

ECON SLIM 1

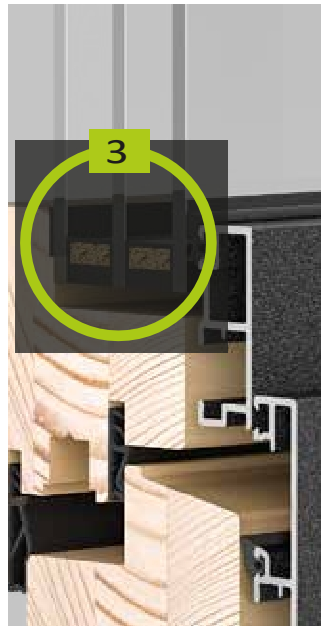


Offset aluminum construction with beveled aluminum profiles. Edge radius 2 mm.

ECON SLIM 3



Offset aluminum construction with 90° edges on sash and frame shell.



ECON SAVINGS EFFECT 1

No integrated aluminum rain rail!

ECON SAVINGS EFFECT 2

Aluminum shell not closed on the inside!

ECON SAVINGS EFFECT 3

Upper mid-range insulating glass edge seal: **SWISSPACER ADVANCE** instead of the high-end SWISSPACER ULTIMATE version used in our PREMIUM system

ECON SAVINGS EFFECT 4

Visible double pot fittings

> the partially concealed integrated VIMATIC 3-D fitting in PREMIUM systems is not available in the ECON system!

Wood-aluminum. **Econ. Slim 1.** Surface offset. With beveled edges.

ECON SLIM 1 - our wood/aluminum window system for budget-conscious builders, this version has bevelled edges of the outer aluminum shells on the frame and sash by around 20 degrees.

Compared to the ECON SLIM 3 system, the chamfering results in a less angular-cubic appearance.

All ECON window types do without the integrated rain rail and the closed inner frame view of our PREMIUM systems.





WOOD ALUMINIUM
ECON SLIM 1 78

EDGE RADIUS 2 MM
 BEVEL 20°

Offset aluminum construction
 with beveled frame and sash edges.



*TYPE 4 not possible with all glass thicknesses!

Wood-aluminum. **Econ. Slim 3.** Surface offset. With right-angled edges.

ECON SLIM 3 - our timber-aluminum window system for budget-conscious building owners has right-angled 90 degree edges of the outer aluminum shells on the frame and sash in this version.

Compared to the beveled ECON SLIM 1 system, the right-angled edges result in a very clear angular-cubic appearance.

All ECON window types do without the integrated rain rail and the closed inner frame view of our PREMIUM systems.



WOOD ALUMINIUM
ECON SLIM 3 78

EDGE RADIUS **0** MM
 BEVEL **90°**

Offset aluminum construction
 with right-angled frame and sash edges.



*TYPE 4 not possible with all glass thicknesses!





More glass and fewer walls. Lift and slide system. **HST 2.0**

Our HST 2.0 system is the tried-and-tested basic version in our lifting and sliding element product range.

It enables large sliding and fixed elements in different arrangements.

HST 2.0 combines a timelessly modern look and perfect function with an affordable price level.

The fixed glazing is enclosed by a surrounding wooden frame and is not floor-to-ceiling.

The threshold system can be selected from several barrier-free variants (see pages 128-129).



Details HST 2.0



The HST 2.0 lift and slide units are a further development of our tried and tested HST system. Sealing, guide rails and the aluminum shell construction have been extensively revised.

Horizontal and vertical sealing strips ensure perfect tightness in all situations and the new mechanism results in even smoother, quieter running.



The newly designed aluminum profiles combine a modern, timeless look with narrow face widths and optimum weather protection. Welded corner joints are a typical

Döpfner quality feature.

The new top guide rail is now integrated flush with the surface and also ensures a very tidy and high-quality look on the inside. The terrace construction connection should be designed with an optional drainage grid system.

> **External drainage grate on site!**

Glass down to the floor. Lift and slide system. **HST 3.0**

The HST System 3.0 has a fundamentally different structure to our HST 2.0 systems.

The basic construction is based on a circumferential, deep wooden frame with a mullion and transom look.

The clearest difference to our HST 2.0 systems is the floor-to-ceiling glazing in the fixed glazing elements. This small difference results in a completely different "frameless" appearance when looking through the fixed glazing.

In addition, HST 3.0 has a zero-barrier threshold with grating and thus combines absolute accessibility with excellent sealing and an elegant appearance.





Details HST 3.0



The HST 3.0 lift & slide units are a completely new development - with revolutionary

Appearance and function: The structural integration of a drainage grating system made it possible for the first time to realize a zero-barrier threshold flush with the floor and floor-to-ceiling glazing.

The technical innovations from the HST 2.0 system, such as vertical and horizontal sealing strips and the new guide rails and rollers, are of course also used in the HST 3.0 system.



The newly designed aluminum profiles combine a modern, timeless look with narrow face widths and optimum weather protection. Welded corner joints are a typical

Döpfner quality feature.

The new top guide rail is now integrated flush with the surface and also ensures a very tidy and high-quality look on the inside. The terrace construction connection should be designed with an optional drainage grid system.

> **External drainage grate on site!**

We build walls of light. Lift and slide system. **SKYWALL HST 4.0**

Sky instead of Wall!

Modern architecture thrives on large glass surfaces. Ideally room-high, from floor to ceiling.

SKYWALL HST 4.0 combines lift and slide units, fixed glazing and corner glazing to create an impressive, single-storey glass façade that can be planned as required. All components are brought together almost seamlessly - without disruptive couplings.

The design is based on a proven mullion and transom system with extremely narrow frame face widths. The exterior view shines with very narrow aluminum profiles and the interior view impresses with huge, floor-to-ceiling glass surfaces and the impressive vertical wooden mullions in a very elegant, laminated design.

SKYWALL - our real vision of walls made of light.



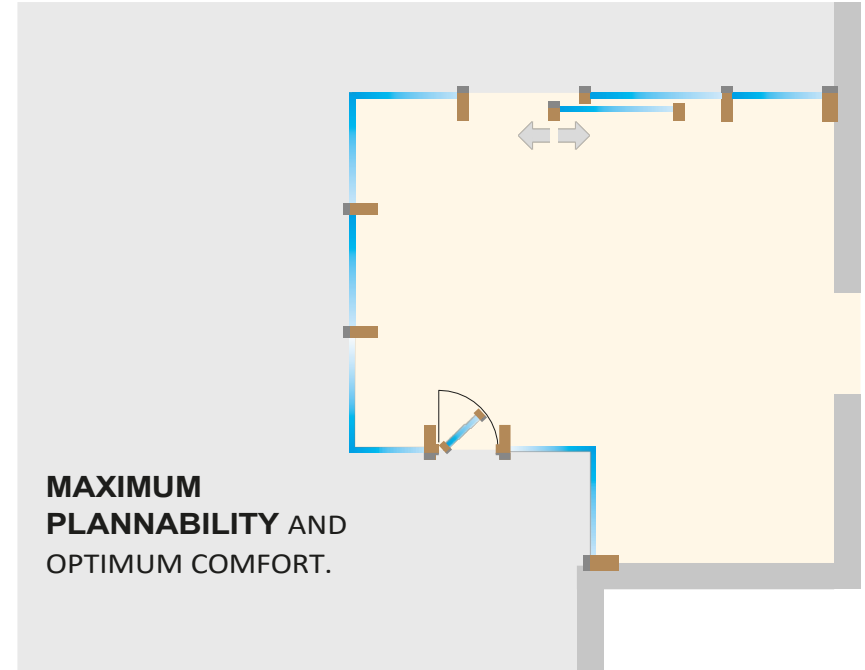
Details HST 4.0



MORE LIGHT, MORE AIR, MORE VIEWS. BUILD WALLS OF LIGHT!

Very large glass fronts provide a completely new living experience with the maximum panoramic effect.

SKYWALL HST 4.0 systems combine a high-quality mullion and transom look with a sophisticated technical design.



**MAXIMUM
PLANNABILITY AND
OPTIMUM COMFORT.**

MAXIMUM PLANNING OPTIONS FOR SINGLE-STORY SKYWALL GLASS FRONTS!

From the element to a truly plannable façade!

Thanks to the mullion-transom construction, SKYWALL HST 4.0 offers completely new possibilities compared to the HST 2.0 and HST 3.0 systems.

The components lift and slide unit, fixed glazing, 90° all-glass corner, tilt and turn window and door unit can be combined in almost any order. Perfectly designed and without couplings!

SKYWALL HST 4.0 enables glass fronts that will not slow down your architectural visions, but downright inspire them.

Details HST 4.0



Compared to our HST 2.0 and HST 3.0 systems, which were designed as individual lift and slide elements, our high-end SKYWALL HST 4.0 range goes a big step further:

This system can be extended far beyond the individual element, like a modular system. Sliding elements, floor-to-ceiling fixed glazing, all-glass corners and Hinged balcony doors can be installed - without couplings - in an elegant mullion and transom look. can be "seamlessly" strung together. You plan, we realize!





SKYWALL HST 4.0 is designed as a single-storey mullion-transom façade system and is assembled on site from the individual components. The aluminum construction consists of horizontally and vertically butt-jointed aluminum profiles that cover the glass pressure strips. The technology and function of the lift-and-slide units is state-of-the-art with flush guide rails and high-quality rollers for the HST 2.0 and 3.0 systems.

Modern zero-barrier solutions, such as our HST 3.0 and SKYWALL HST 4.0 systems, require a sophisticated structural connection with integrated water drainage.

Drainage? Drainage? These words don't sound particularly exciting! But that doesn't matter as long as our technical solution for this design requirement is as aesthetically pleasing as our lift and slide systems. Solid aluminum gratings are perfectly integrated into the overall system. Also available with effective lighting on request!

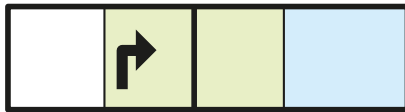


Lift and slide systems

Technical details

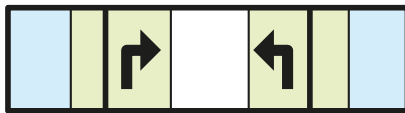
DELIVERABLE CONSTRUCTION SCHEMES

SCHEMA A
1-leaf

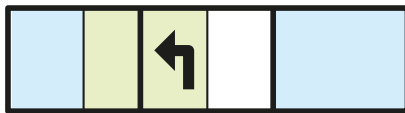


left or right

SCHEMA C
2-leaf

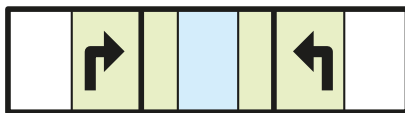


SCHEMA G
1-leaf

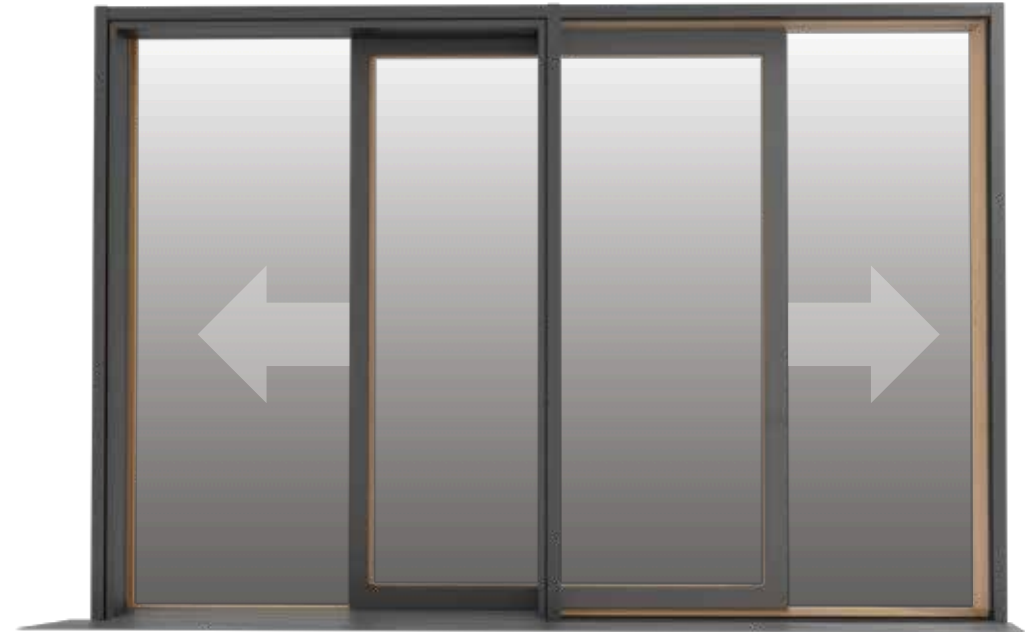


left or right

SCHEMA K
2-leaf



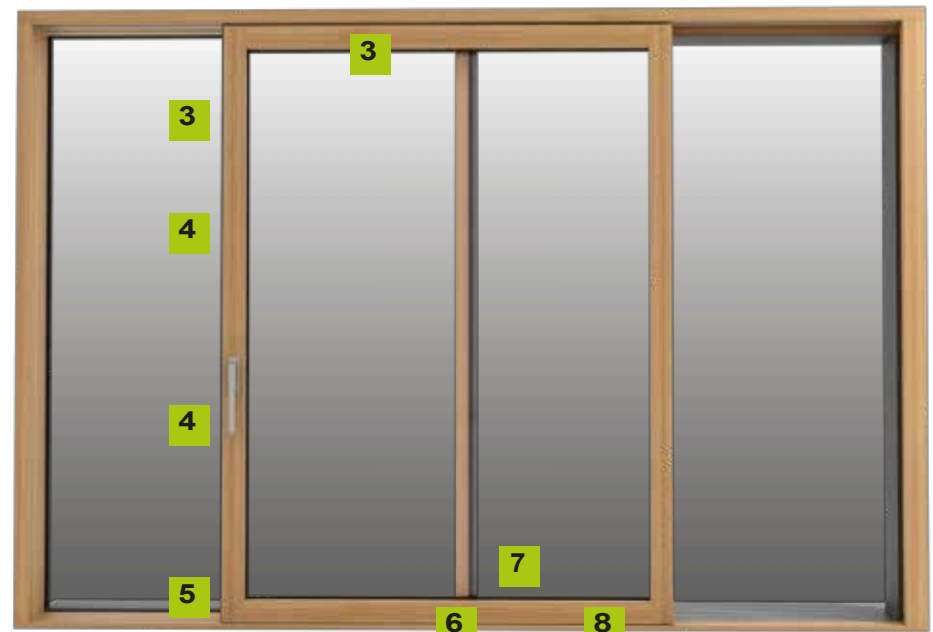
- Fixed glazing
- Movable sash
- Passage open



1

2

Example SKYWALL HST 4.0 interior





1

OPTIONAL SOFT CLOSE DAMPER
For gentle retraction and damped sash stop



2

FLUSH GUIDE RAIL WITH ROLLER GUIDE
for uniquely smooth-running sliding comfort



3

CIRCUMFERENTIAL VERTICAL AND HORIZONTAL SEALING RAILS
with rear-grip safety device (up to protection class RC 2)



4

OPTIONAL LOCKING WITH SWIVEL HOOK.
Standard with bolt locking



5

STOPPER
Concealed integrated with stainless steel cover



6

AIRSTOP SEALING PAD
for optimum sealing between sliding and fixed part and drainage shaft (Example SKYWALL HST 4.0)



7

SEALING FILLER PIECE ON CLOSURE SIDE
Rounded at the bottom for maximum sealing (example SKYWALL HST 4.0)



8

TANDEM TROLLEY
with 4 castors (load capacity 400 kg)

Speed bump variants for lift and slide systems HST 2.0



HST-GROUND SLEEPER SYSTEM
WITH OFFSET FROM THE INSIDE TO THE OUTSIDE
WITHOUT COVER PLATE ON THE THRESHOLD

The variant without cover has a 19 mm height offset from the inside to the outside.

Available for all HST systems |> Drainage grate outside on site!



HST-GROUND SLEEPER SYSTEM
WITH ECO-PASS COVER PLATE ON THE THRESHOLD

The variant with a smooth ECO-PASS cover plate has a minimal height offset of just 5 mm and runs at an angle from the inside to the outside.

Available for all HST systems |> Drainage grate outside on site!



HST THRESHOLD SYSTEM WITH GRATING

Our GITTERROST system is also completely smooth and without steps or landings. The grating inserted in the threshold element makes this variant very modern and attractive. There are also functional advantages: The grating allows water to drain downwards very well and is slip-resistant.

Available for the HST systems HOLZ 88 and HOLZ-ALU 78 |> External drainage grid on site!

Thresholds are rather inconspicuous and are usually trampled underfoot: But they are very important for the function, optimum sealing and lasting stability of the lift and slide units.

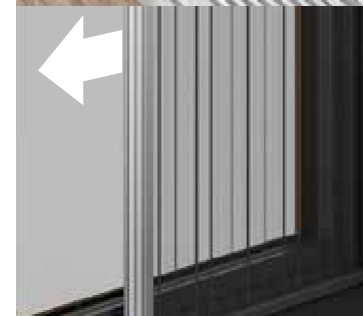
The sill systems specially developed for HST elements are tried and tested designs that meet all requirements.

All variants are classified as BARRIER-FREE and can be easily rolled over in a wheelchair.



Thanks to the integrated guide rail, this threshold system is already prepared for easy installation of an insect screen sliding grille - the cover in the guide groove can simply be removed.

Design of the insect screen as a horizontal sliding pleated blind



More glass. More light. More living comfort.
Fanlight system for HST systems. Fixed glazing for HST systems. Fixed glazing for window system depths.

More glass is the modern motto.

Fixed glazing creates even more transparency across the width and our HST fanlight elements extend large lift-and-slide systems to truly impressive heights.

These modern construction elements are perfectly matched to our window and sliding systems and make modern façades even more transparent.

Enjoy a real panoramic feeling.



HST fanlight for the lift & slide systems 2.0



■ Available variants

For HST system	Aluminum profile		Order code
HST 2.0 78	Slim 1 or Contur 2	wood-aluminum only	HS-OL-78



Fanlight elements in mullion-transom look for our HST lift and slide system.

Thanks to the innovative SLIDING CONNECTION, the skylight elements can simply be pushed onto the HST element from the FRONT during installation!

■ The aluminum shells are designed in two parts



With glazing bead

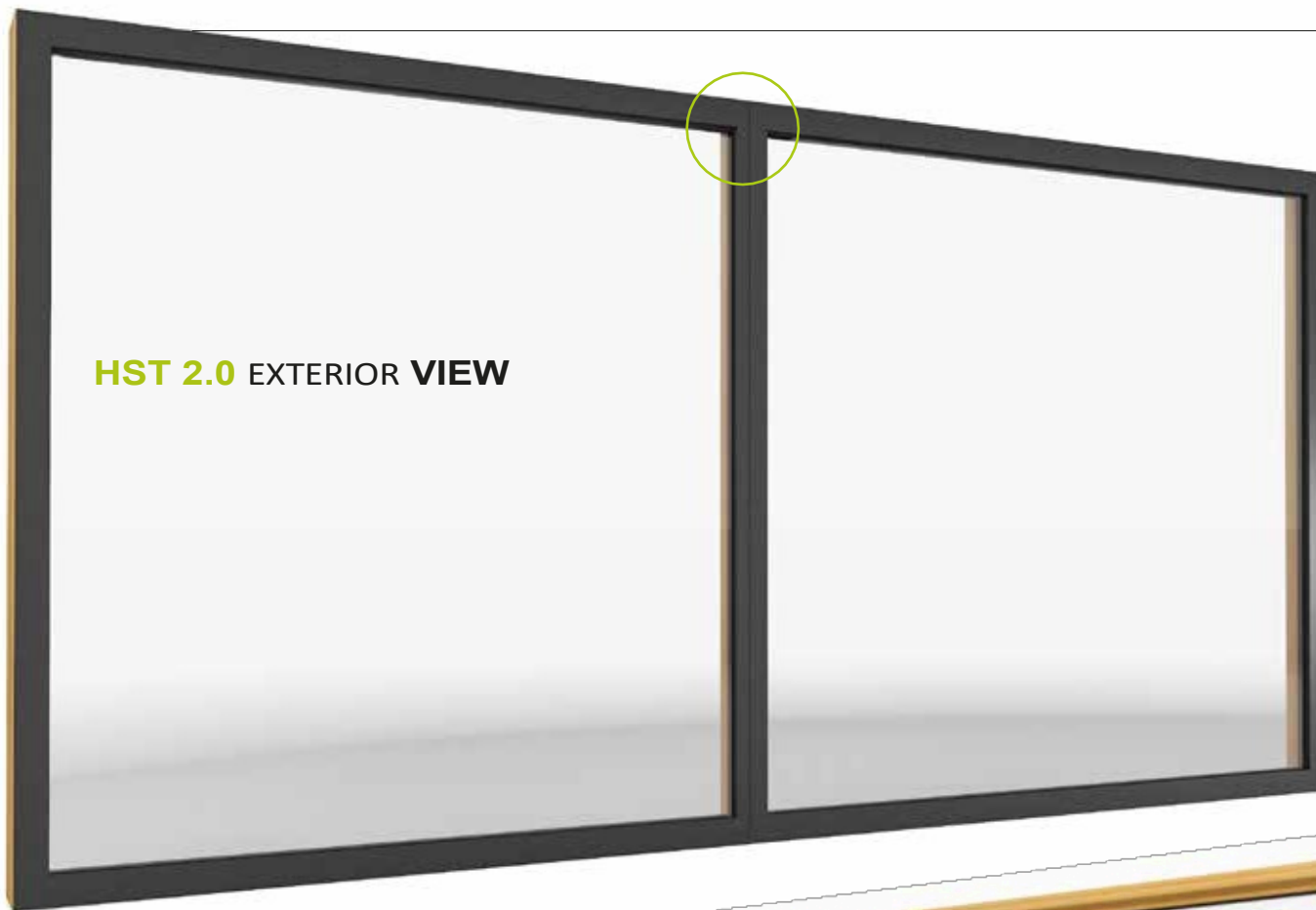


Fixed glazing in the HST System 2.0



Available variants

Suitable for HST system	Aluminum profile		Order code
HST 2.0 68	Slim 1 or Contur 2	wood-aluminum only	FF-2.0-68
HST 2.0 78	Slim 1 or Contur 2	wood-aluminum only	FF-2.0-78
HST 2.0 88	Slim 1 or Contur 2	wood-aluminum only	FF-2.0-88



HST 2.0 EXTERIOR VIEW

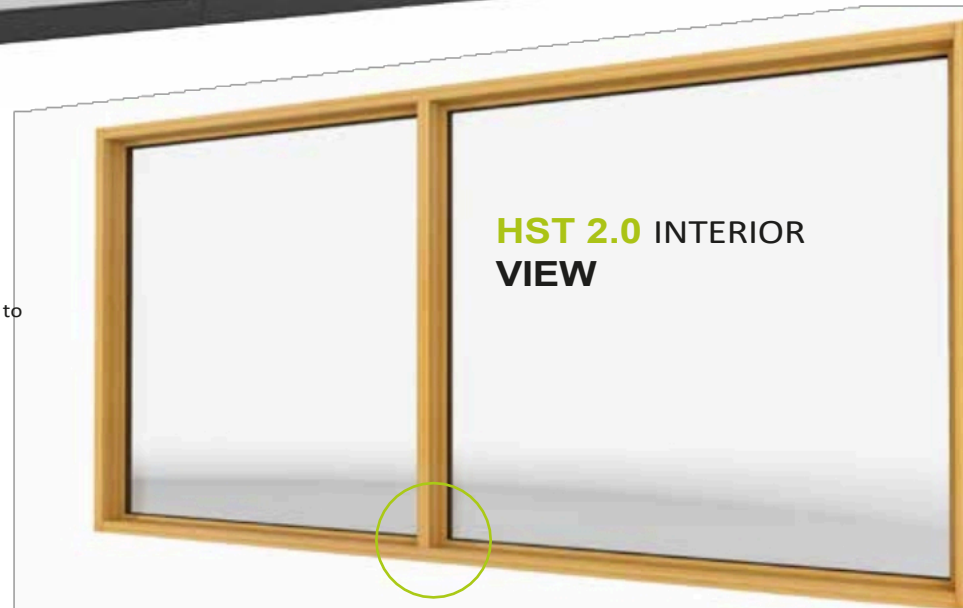


The HST 2.0 fixed glazing for our HST lift and slide system.

Our newly designed fixed glazing has been visually adapted to our lift and slide systems.

- Glazed from the inside
- With glazing bead inside
- Lining depth as HST 2.0| Wood lining on four sides.

- The aluminum shells are designed in two parts.
- **Vertical rungs (60 mm) possible**



HST 2.0 INTERIOR VIEW



With glazing bead

Fixed glazing in the HST System 3.0



Available variants

Suitable for HST system		Order code
HST 3.0 78	wood-aluminum only	FF-3.0-78



HST 3.0 EXTERIOR VIEW



HST 3.0 INTERIOR VIEW

The HST 3.0 fixed glazing for our HST lift and slide system.

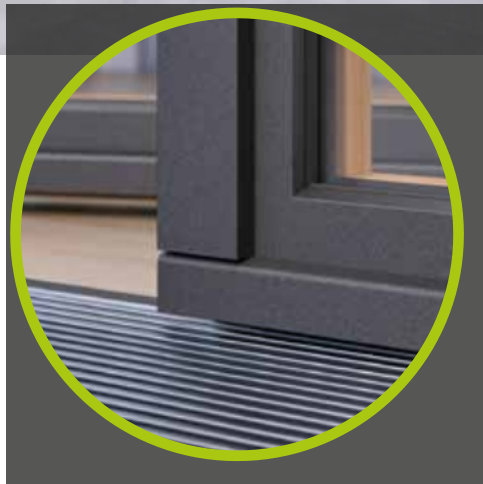
Our newly designed fixed glazing has been visually adapted to our lift and slide systems.

- Glazed from the outside
- Without glazing bead on the inside
- Glazing must be sealed on the outside on site Lining depth as for HST 3.0| Wooden lining on four sides Welded aluminum frame as glazing bead **No glazing bars possible**
-
-
-



Without glazing bead

Elegant fixed glazing for window system installation depths.



■ Available in the window systems

Window system	Installation depth	Order code
Contour	78	FR-AV-78
Contour	88	FR-AV-88

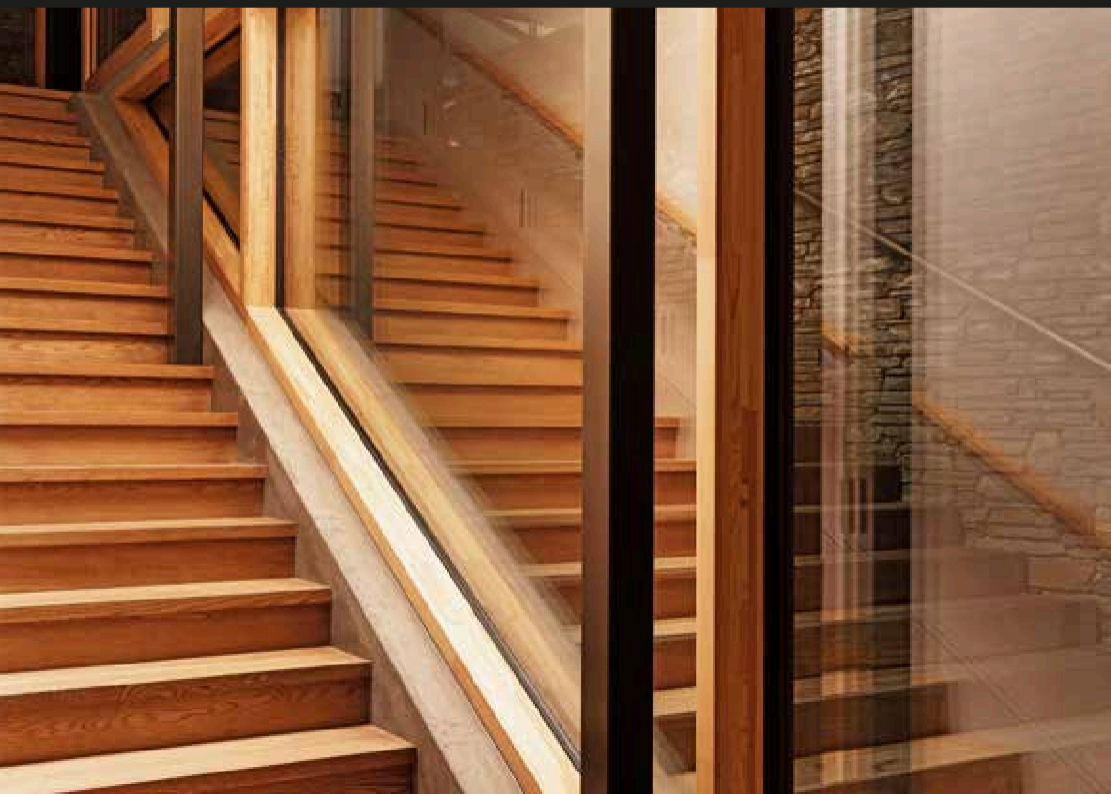


Fixed glazing in the installation depth grid of DÖPFNER window systems

Available in window installation depths of 78 and 88 mm.

- Glazed from the outside
- Without glazing bead inside
- Glazing must be sealed on the outside on site
- Casing depth to match the FENSTERsystem installation depths
- Wooden lining four-sided
- Welded aluminum frame as glazing bead
- **No rungs possible**









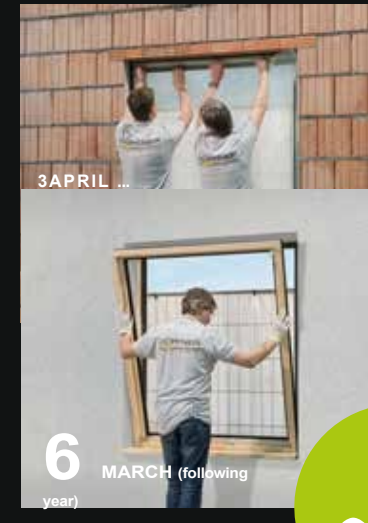
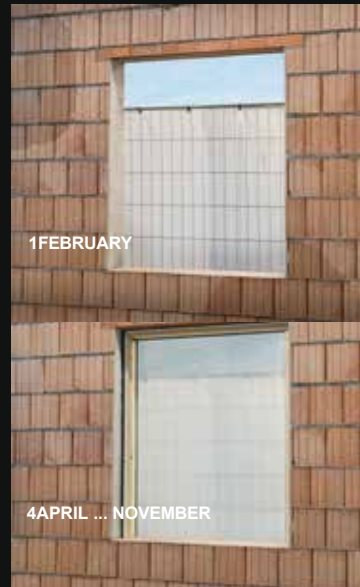
Time-delayed window installation. The premium installation frame.

The problem.

Windows and front doors are already installed in the building shell and therefore "suffer" all the stresses and strains of the entire construction phase. Moisture, dirt, temperature extremes, mechanical damage...

The solution.

The 2-step installation with the mounting frame system. Precisely fitting installation frames are inserted into the shell opening. Windows and front doors are only installed once all the structural work - screed, installations and interior plaster - are finished.



Timing of the construction phases and assembly sequence as an example only.





Take a look at this! The time-delayed ZARGENMONTAGE was the optimal decision.

Our windows survived the construction marathon completely unscathed - spotless, immaculate, without the slightest scratch. They look like they're on display! While things were really going haywire here on site, they weren't even here yet! And our schedule was totally relaxed too!

It was so much less stressful in terms of deadlines - for all the tradesmen, and for us!



Window plus sun protection plus insect screen. The fully integrated system. **GS PERFECT.**

Integration - thought through to the end!

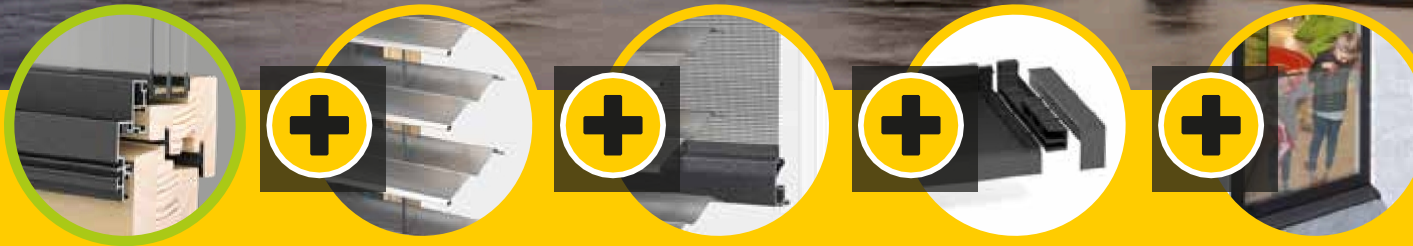
The wood-aluminum window element plus sun protection, insect screen, window sill, fall protection and threshold. The GS PERFECT system developed with our aluminium partner STEMESEDER now makes this vision a reality.

The integral concept as a complete system simplifies and accelerates all trades: from planning and ordering to installation and plastering work!

All components can be combined individually.

All surfaces fit together perfectly.





Windows. Sun protection. Insect screen. Window sill. Fall protection. Threshold.

Perfectly integrated.
GS Perfect!

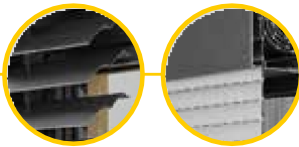
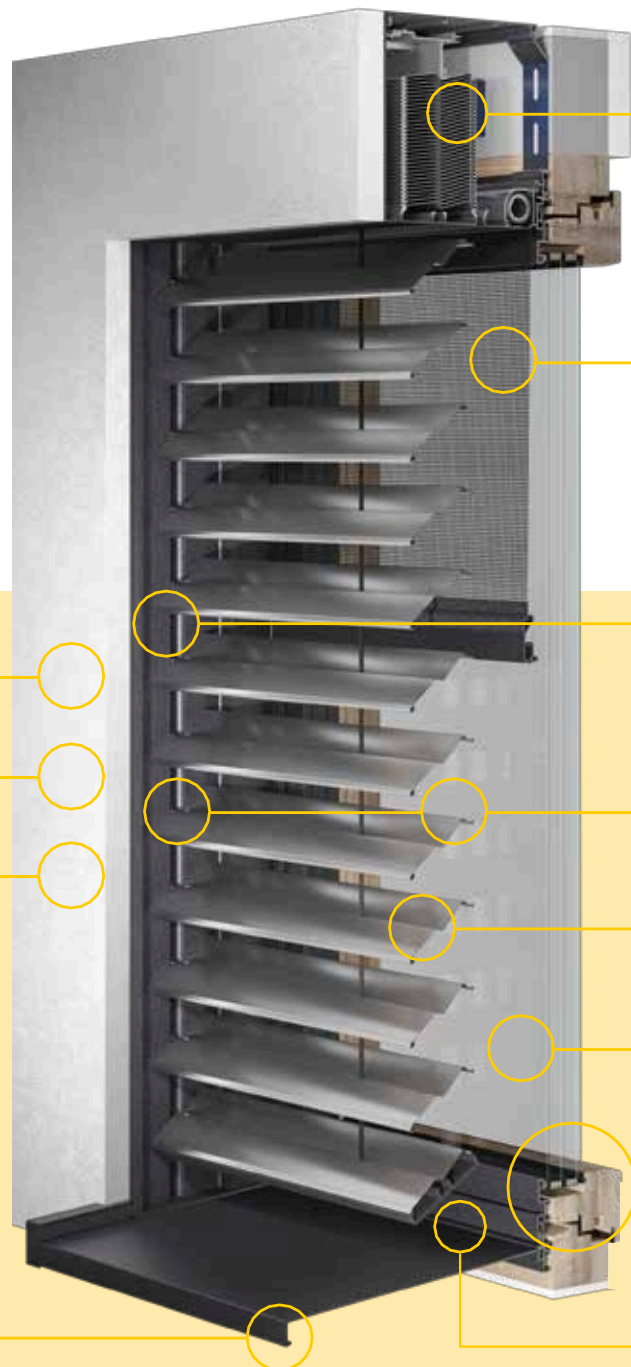
Identical installation depth

Defined installation situation

Frame and guide rails can be insulated

Premium designer window sill

Optimum system integration with perfect all-round waterproofing. The masonry is permanently protected against thermal stresses and rainwater!



■ You have the choice: external venetian blind (C or Z slat) Roller shutters
 ■ Easy maintenance Can be retrofitted and converted



■ Insect screen can be integrated Available in two versions: Vertical roller blind
 ■ Horizontal sliding pleated blind
 ■ Easy maintenance Can be retrofitted and converted

■ Perfect surfaces from a single source
 Indestructible PREMIUM 30 aluminum surfaces and perfect color and texture matching of window aluminum shells and GS-Perfekt components.

Optimized dimming - also laterally - due to stepped guide rails



■ Various slat profiles
 ■ 93 mm Z-slat
 ■ 80 mm C-slat

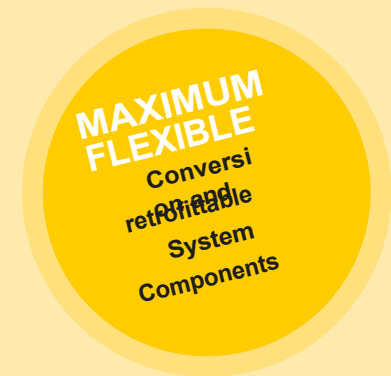
■ Optional fall-protection glazing in the window/door element

■ Extremely slim face widths

■ No visible screw connections

The perfect all-in-one Complete system.

We connect what belongs together!



The fully integrated **GS PERFECT** system.

The sun protection, insect screen, window sill and fall protection components were developed as a complete element with an integral reveal frame.

YOUR ADVANTAGES

One surface for sun protection, insect screens, window sills and window aluminum frames!

Reduced planning and ordering effort

Perfectly integrated RIGOL threshold solution for French doors

Perfect light-tightness Perfect all-

round sealing

Perfect appearance: no visible screws on guide rails and window sill

Very narrow face widths and maximum glass surfaces

Incredibly flexible!

Convertible and retrofittable components: Solar shading venetian blind (C or Z slat) Solar shading roller shutter

Vertical insect screen roller blind

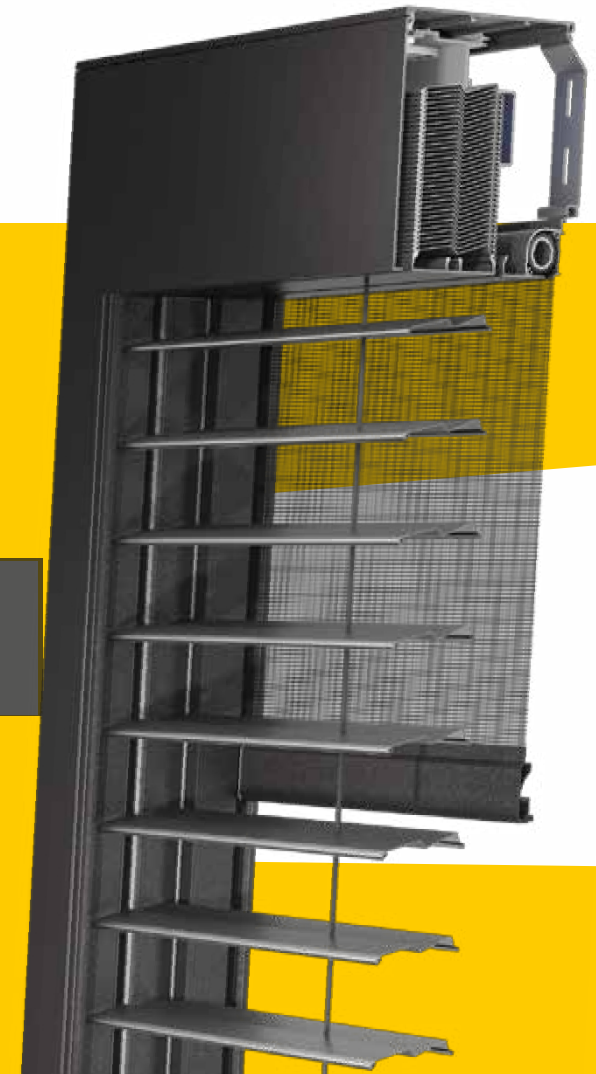
Vertical insect screen sliding pleated blind

GS PERFECT orders are placed directly with STEMESEDER.

150

PREMIUM ALUMINIUM SYSTEMS

GS STEMESEDER



The DÖPFNER basic window for the GS PERFECT system



The GS PERFECT connection groove



DÖPFNER PERFECT.
The window system with the GS Perfect connection groove.
Perfect seam instead of interface!
Integrated fastening grooves for easy attachment of the GS PERFECT element.

The window elements are ordered directly from DÖPFNER.

Döpfner PERFECT-FENSTER Available variants



PERFECT SLIM 3



PERFECT CONTUR 3

Wood thicknesses

68
MM

78
MM

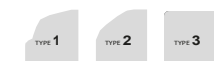
Double glazing | U_g value 1.1

Triple glazing | U_g value 0.6

Interior profile variants



Interior profile variants



Aluminum surface variants

Available in all DÖPFNER PREMIUM aluminum surfaces - see current PREMIUM color samples.

Overview of important technical key figures.

Thermal insulation.

Sound
insulation.

Safety.

Sustainability.



Optimum energy efficiency. Outstanding thermal insulation values.

WOOD-ALUMINUM PREMIUM 78

$U_{(w)}$ 0.78

WOOD-ALUMINUM ECON 78

$U_{(w)}$ 0.81

WOOD 88

$U_{(w)}$ 0.74

WOOD PROTECT 88

$U_{(w)}$ 0.77



U_w values for reference window 1230 x 1480 mm in accordance with DIN EN 14351-1:2010-08, A1:2010 | Wood type FICHTE | Glass specification U_g 0.5 | Glass spacer SWISSPACER ULTIMATE | Unit of all U values is in $W / (m^2K)$
Values determined by calculation. Technical changes and errors excepted!

Optimum sound insulation. Outstanding sound insulation values.

WOOD-ALUMINUM PREMIUM 78
tested R_w 41 dB | 43 dB | 44 dB

WOOD-ALUMINUM ECON 78
tested R_w 41 dB | 42 dB | 43 dB

WOOD 88
tested R_w 43 dB | 45 dB



Optimally safe.
Outstanding burglary protection



PROTECTION CLASS **RC2**

FOR THE FIRST TIME RC2-CERTIFIED WITH P4A-LIGHT GLAZING!

The use of VSG 5 instead of VSG 10 glass panes saves 50 % of the weight of the glass element and thus enables considerably easier handling.

The weight reduction results in significant CO₂ and energy savings during production and transportation.

In this way, we make a sustainable contribution to environmental protection

Optimally sustainable. Now also with letter and seal.

DÖPFNER has long been an ecological pioneer in the window industry -
We have been avoiding tropical wood species for years and pay particular attention to the proven sustainable origin of raw materials.

We are now also the first window manufacturer in Germany to implement a product-specific, scientifically based ECO-FOOTPRINT rating for its wood and wood-aluminum windows - a holistic ENVIRONMENTAL FOOTPRINT that makes the overall ecological impact for the various window frame materials, such as wood, aluminum and PVC, effectively and reliably comparable.

From raw material extraction to the end-of-life phase (recycling).

DÖPFNER stands for...

Regional wood from sustainable forestry Short

transportation routes

Sustainable production cycles Durable, energy-

efficient products Optimum recyclability of

products



CERTIFICATE

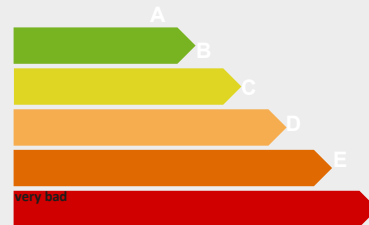
ECO-FOOTPRINT

Holistic environmental footprint analysis for the
Company DÖPFNER-Betriebs-GmbH+ Co. KG, D-97447 Gerolzhofen

Rating scale

ENVIRONMENTAL FOOTPRINT ratings from A (very good) to E (very poor)

very good



Overall product rating

Döpfner Holz+ Wood-aluminum windows



DÖPFNER WOODEN WINDOWS

Individual ratings according to wood species

Spruce: A 1.00
Larch: A 1.05
Oak: A 1,05

DÖPFNER WOOD-ALUMINUM WINDOWS

Individual assessment according to wood species

Spruce: B 1.87

Average rating DÖPFNER windows

Wood+ Wood-aluminum
A 1,24

This certificate confirms that DÖPFNER has an outstanding life cycle assessment based on the scientifically sound methodology* of the ECO footprint analysis, which takes into account the following parameters, among others:

Domestic origin of the frame materials Wood from

- sustainable forestry
- Short transportation routes
- Sustainable production cycles Durable, energy-efficient products
- Optimum recyclability of all product components
-
-

* Brief description of the methodology in the DÖPFNER environmental statement

Dr. Gabriele Brückner
CEO BS Environmental
Consulting

May 01, 2021

Creußen, issued on

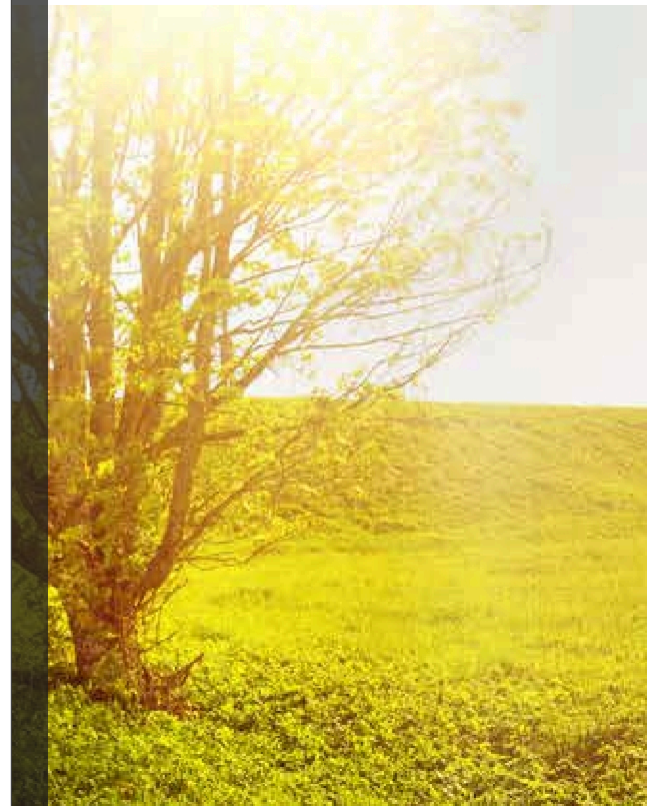
Dr. Philipp Strohmeier
CEO BS Environmental Consulting



dr. BRUCKNER & dr. STROHMEIER
Umweltberatung & Management

Find out more?
Here you will find our 16-page ECO-
FOOTPRINT brochure.

Simply scan
and download PDF.




System glass thicknesses | System specifications Glass | U_g values

SYSTEM GLASS THICKNESS OPTIONS										
System	Glazing bead types Sash					Glazing bead types fixed panel				
	Type 1	Type 2	Type 3	Type 4	Type 5	Type 1	Type 2	Type 3	Type 4	Type 5
Wood 68			24-28	24-28	24-28			20-25	20-25	20-25
Wood 78			24-38	24-38	24-38			24-35	24-35	24-35
Wood 88			34-48	34-48	34-48			34-45	34-45	34-45
Wood-Protect 68				24-30					20-25	
Wood-Protect 78				34-40					24-35	
Wood-Protect 88				41-48					34-45	
ECON 68, Slim 1 / Slim 3	24-43	24-43	24-43	39-43		24-36	24-36	24-39	30-39	
ECON 78, Slim 1 / Slim 3	34-53	34-53	34-53	49-53		34-46	34-46	34-49	40-49	
PREMIUM 68, Slim 1 / Slim 3	28-47	28-47	28-47	41-47		24-40	24-40	24-43	34-43	
PREMIUM 78, Slim 1 / Slim 3	38-53	38-53	38-53	51-53		34-50	34-50	34-53	44-53	
PREMIUM 68, Contur 2+ 3 / Integra 2.0	28-47	28-47	28-47			24-40	24-40	24-43		
PREMIUM 78, Contur 2+ 3 / Integra 2.0	38-53	38-53	38-53			34-50	34-50	34-53		

System	Glazing bead types Sash					Glazing bead types fixed panel				
	Type 1	Type 2	Type 3	Type 4	Type 5	Type 1	Type 2	Type 3	Type 4	Type 5
HST 2.0 Wood 68			24-28	24-28	24-28			24-28	24-28	24-28
HST 2.0 Wood 78			24-38	24-38	24-38			24-38	24-38	24-38
HST 2.0 Wood 88			34-48	34-48	34-48			34-48	34-48	34-48
HST 2.0 Protect 68				28-46					24-40	
HST 2.0 68 Slim 1 / Contur 2	24-42	24-42	24-42	38-42		24-39	24-39	24-43	34-43	
HST 2.0 78 Slim 1 / Contur 2	34-52	34-52	34-52	46-52		34-49	34-49	34-53	44-53	
HST 3.0	34-52	34-52	34-52	46-52				34-52		

WOOD		
Protect	68	Glass 24 mm (U _g 1.1)
	78	Glass 33 mm (U _g 0.7)
	88	Glass 41 mm (U _g 0.6)
Wood-Classic	68	Glass 24 mm (U _g 1.1)
	78	Glass 33 mm (U _g 0.7)
	88	Glass 41 mm (U _g 0.6)
Profiled wood	68	Glass 24 mm (U _g 1.1)
	78	Glass 33 mm (U _g 0.7)
	88	Glass 41 mm (U _g 0.6)
Wood style 1	68	Glass 24 mm (U _g 1.1)
	78	Glass 33 mm (U _g 0.7)
	88	Glass 41 mm (U _g 0.6)
Wood style 2	68	Glass 24 mm (U _g 1.1)
	78	Glass 33 mm (U _g 0.7)
	88	Glass 41 mm (U _g 0.6)
HST 2.0 Wood	68	Glass 24 mm (U _g 1.1)
	78	Glass 33 mm (U _g 0.7)
	88	Glass 41 mm (U _g 0.6)
HST 2.0 Protect	68	Glass 36 mm (U _g 0.7)

 Deviation of glass thicknesses from other glazing bead types


Interior profile variants

WOOD ALU		
ECON SLIM 1	68	Glass 24 mm (Ug 1.1)
	78	Glass 41 mm (Ug 0.6)
ECON SLIM 3	68	Glass 24 mm (Ug 1.1)
	78	Glass 41 mm (Ug 0.6)
PREMIUM SLIM 1	68	Glass 28 mm (Ug 1.1)
	78	Glass 41 mm (Ug 0.6)
PREMIUM SLIM 3	68	Glass 28 mm (Ug 1.1)
	78	Glass 41 mm (Ug 0.6)
PREMIUM CONTUR 3 color	68	Glass 28 mm (Ug 1.1)
	78	Glass 41 mm (Ug 0.6)
PREMIUM INTEGRA 2.0 color	68	Glass 28 mm (Ug 1.1)
	78	Glass 41 mm (Ug 0.6)
PREMIUM CONTUR 2	68	Glass 28 mm (Ug 1.1)
	78	Glass 41 mm (Ug 0.6)
HST 2.0 CONTUR	68	Glass 28 mm (Ug 1.1)
	78	Glass 44 mm (Ug 0.6)
HST 2.0 SLIM 1	68	Glass 28 mm (Ug 1.1)
	78	Glass 44 mm (Ug 0.6)

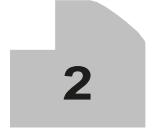
WOOD ALU		
OFFSET		
ECON SLIM 1 3	68	
	78	
SLIM 1 3 PREMIUM	68	
	78	
CONTUR 3 COLOR INTEGRA 2.0 COLOR PREMIUM	68	
	78	
Lift & slide door SLIM 1 HST 2.0	68	
	78	
	88	
FLUSHING		
CONTUR 2 PREMIUM	68	
	78	
CONTUR HST 2.0 lift and slide door	68	
	78	
	88	
Lift & slide door HST 3.0	78	

INTERNAL PROFILE VARIANTS on the inside of the sash


TYPE 1




TYPE 2




TYPE 3



TYPE 4



TYPE 5



4 Internal profile TYPE 4 not possible with all systems

We are DÖPFNER.
Craftsmanship is our basis
The natural product wood is our material.
Sustainable thinking is in our DNA.
Since 1906.

Our family-run company produces windows, sliding systems and front doors with around 100 employees in Gerolzhofen, Franconia. We specialize in solid wood and wood-aluminium constructions of the highest quality, unsurpassed durability and a huge variety of designs.

We are a modern industrial manufactory.

industry, because we naturally produce our components to industrial standards using modern CNC technology.

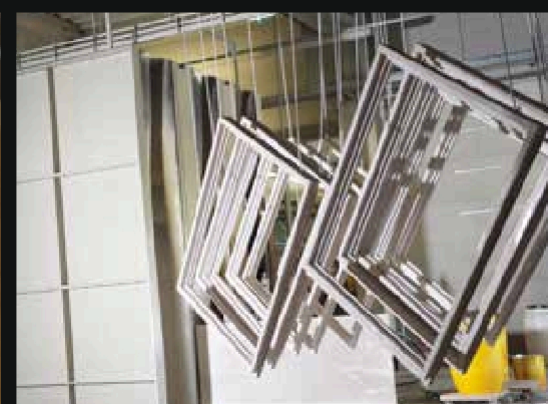
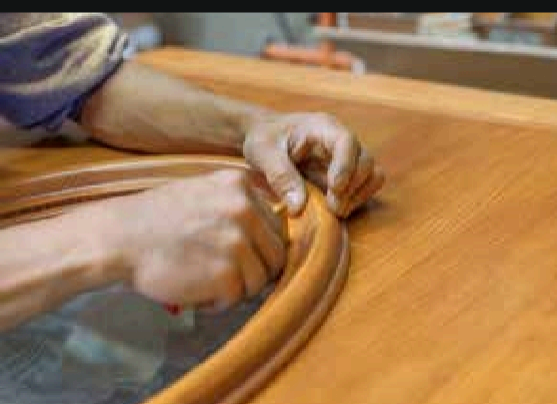
manufacture, because the individual parts for each of our windows and front doors are not made by machines, but by the hands of excellently trained specialists.

This more than 115-year tradition of craftsmanship has been our incentive to continue to develop and produce the best products in the industrial sector. series production to achieve - or even surpass - the feel and quality of a handmade one-off.

We think and act sustainably.

Ecological responsibility for a sustainable future is not just an empty phrase at Döpfner, but a corporate culture that is practiced every day. Our raw materials are renewable wood - exclusively from controlled regional forestry - and recycled aluminum.

Electricity is generated by the sun on the hall roofs and CO₂-neutral heat is produced from our wood waste.



The managing directors in the fourth generation Frank Döpfner Dipl.-Betriebswirt (FH) Mario Döpfner Graduate engineer (FH)



Subject to color deviations due to printing! Original color samples are available from your local Döpfner dealer.

Döpfner Betriebs-GmbH+ Co. KG

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FENSTER TÜREN UND MEHR