

Live the way you are – naturally individual:
UNILUX aluminium clad wood windows & doors



ALUMINIUM CLAD WOOD WINDOW & DOOR OVERVIEW



THE GREAT BRAND FOR PROGRESS

Live the way you are – naturally individual:
UNILUX aluminium clad wood windows & doors



UNILUX

One brand.
One promise.

The only thing modern-day windows have in common with their "ancestors" is their name. Good carpentry work and appearance alone is no longer enough, because energy efficiency, safety, and functionality standards have increased dramatically to meet today's customer needs.

That's why all UNILUX aluminium clad wood products are in-house developments, demonstrating an extraordinary degree of product intelligence and complex engineering.

To ensure these masterpieces are not just available to a selected group of people, UNILUX produces them as series, enabling these unique aluminium clad wood products to be sold at prices which make top quality affordable.

UNILUX – where quality is at home



All good things come in sixes:

The UNILUX brand advantages

Brand advantage 1: Durability

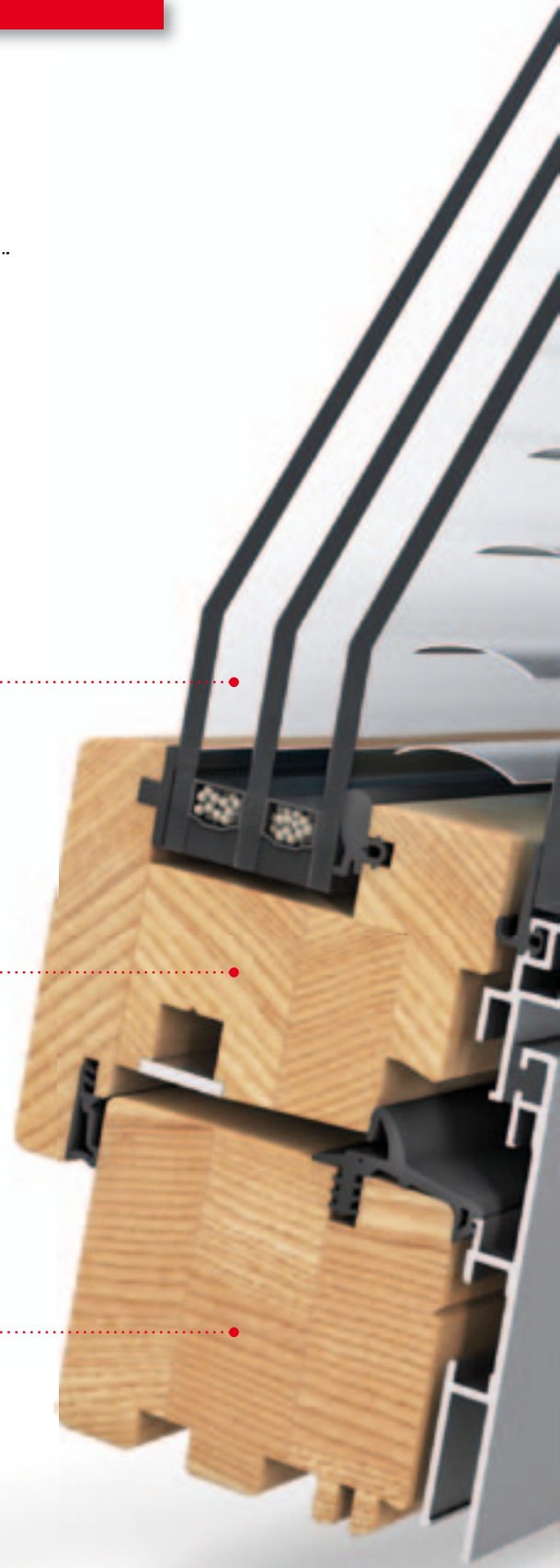
Ever since its early days, UNILUX has always used the highest-quality materials. Down to the finest detail: instead of the inferior silicon, we use smooth glazing seals made from synthetic rubber. The high-quality workmanship and strict quality controls ensure you gain long-term enjoyment from your UNILUX window.

Brand advantage 2: Freedom of design

Tastes are subjective. That's why you can choose from three designs (LivingLine, ModernLine, DesignLine), five fine woods (pine, oak, alder, larch and exotic wood), 187 wood finishes, 2,132 different aluminium colors/patterns, 34 handles and several double-pane and triple-pane glass types. And let's not forget: the most diverse window shapes (they don't always have to be square), and, upon request, true divided, simulated divided and internal grids in various sizes and styles.

Brand advantage 3: Energy efficiency

UNILUX's solid construction style not only guarantees durability, but also help save energy. Each of our aluminium clad wood products has state-of-the-art „warm-edge“ spacers between the glass panes, ensuring better thermal values, greater comfort near the window, and significantly reduced condensation build-up during colder months. Heating costs can be further reduced through highly efficient triple-pane glass with a thickness of at least 1½"/40 mm (SuperThermo3, UltraThermo3, ThermoWhite3).





Brand advantage 4: Safety

Sometimes a window's job is not just to keep out wind and rain, but also uninvited guests. That's why all UNILUX locking parts are made from high-quality materials. Mushroom pins are also a standard feature of all our aluminium clad wood window fittings. For maximum protection, we offer the SAFE range (with the option of A1 laminated safety glass, DIN-certified by the German National Authority on Fire Arms and Ammunition) and special alarm systems.

Brand advantage 5: Service

UNILUX only works with expertly qualified window specialist retailers, located across the country with their own showrooms. Your regional UNILUX retailer will offer you detailed advice and assist you with your plans. It will also ensure prompt, correct installation, and will be available at any time if you have any service-related needs.

Brand advantage 6: Brand quality

Since 1955, UNILUX's philosophy has been: Only products of uncompromising quality must leave the factory. This saw our company become a recognised quality leader over the decades. Anyone who pays heed to the UNILUX logo can be certain of always receiving a "Made in Germany"-branded product.

Live the way you are – naturally individual:
UNILUX aluminium clad wood windows & doors



ADVANTAGES OF ALUMINIUM CLAD WOOD

Aluminium on the outside,
pure wood on the inside –
combined for generations.

Wood creates comfort – it is a feel-good material.

Aluminium on the other hand, is a robust protective shield against the elements. Together, they form an aluminium clad wood product which lasts generations without the need for continuous maintenance.

The wood interior does not require UV protection in the form of colouring pigments in the finish. It can be used in its natural form (transparent stain) thanks to the aluminium shell.

The aluminium shield firmly encases the wood, protecting it from the elements while still giving room to expand and contract and cope perfectly with temperature fluctuations.

UNILUX aluminium clad wood products: The originals.



Aluminium clad wood windows

LivingLine and ModernLine

Classically traditional or sleek and modern – it's your choice. With LivingLine and ModernLine, UNILUX offers you two designs featuring timeless taste.

LivingLine – classic beauty

Some things should never be changed. The LivingLine aluminium clad wood product line stands for a discreet, conservative design which blends harmoniously into its surroundings. A reliable option when renovating older houses and for more traditional architecture.

ModernLine – beautifully clear

No frills or fuss. The ModernLine aluminium clad wood product line is distinguished by objective directness inspired by classic modern architecture. With its clear lines, it's ideal for contemporary homes and urbanised buildings.



Energy saving and sound reduction

Thicker glass panes ensure superior sound reduction; triple-pane glass optimizes thermal values, meaning UNILUX triple-pane glazing keeps warmth in and noise out.

Multi-layered wood bonding

Stability guaranteed. Multi-layered bonding equalises stresses between the solid-wood layers and wood surface, thereby ensuring absolute torsional rigidity.

Sliding aluminium cladding

Wood and aluminium expand to differing degrees in heat, so both materials literally need to be given some space. We create this air space by mounting the aluminium cladding onto a slider-coupling rail system.



Uncompromising energy efficiency. Every UNILUX window meets today's high standards for energy efficiency. The solid frame and almost limitless glass options were engineered not only to meet today's standards but tomorrow's also. It can definitely reduce your need for heating or cooling. Ask your UNILUX partner how you can optimise your windows' energy efficiency.





UNILUX LivingLine



UNILUX ModernLine



Embedded (recessed) lock keepers

Impressive not only aesthetically, but also from a security perspective – due to being recessed compared to screwed-on locking parts.



Pure wood

Solid and of the highest quality. UNILUX quality can be recognised by the fact that the furniture grade finished wood is still attractive after many years.



Concealed hinges

Upon request, the hinges can be integrated into the frame and thus be invisible when the windows are closed, ensuring an attractive, uncompromising design.



Aluminium clad wood windows

DesignLine 0.8 and DesignLine 0.7

The attractive way to save on energy costs (heating or cooling). The DesignLine aluminium clad wood window range combines architectural elegance and state-of-the-art energy efficiency. Uncompromising in terms of aesthetics, it is designed for high-quality residential buildings and building complexes.

DesignLine 0.8 – one pane warmer

For customers not wanting to waste heat or A/C: With triple-pane glazing and argon fill, the DesignLine 0.8 offers excellent value for your money. Compared with normal double-pane insulated glazing, the heat insulation is significantly better.

DesignLine 0.7 – the ultimate in value

Energy savings at the highest level. Thermal value improves by 46% compared to standard windows. This is made possible by a special impermeable core, gas-filled triple-pane glass, "warm-edge" spacers, double-sided (invisible) Low-e-coating and a total glass thickness of 1 7/8"/48 mm



Energy saving and sound reduction

Thicker glass panes ensure superior sound reduction; triple-pane glass optimizes thermal values, meaning UNILUX triple-pane glazing keeps warmth in and noise out.

Multi-layered wood bonding

Stability guaranteed. Multi-layered bonding equalises stresses between the solid-wood layers and wood surface, thereby ensuring absolute torsional rigidity.

Sliding aluminium cladding

Wood and aluminium expand to differing degrees in heat, so both materials literally need to be given some space. We create this air space by mounting the aluminium cladding onto a slider-coupling rail system.



Uncompromising energy efficiency. Every UNILUX window meets today's high standards for energy efficiency. The solid frame and almost limitless glass options were engineered not only to meet today's standards but tomorrow's also. It can definitely reduce your need for heating or cooling. Ask your UNILUX partner how you can optimise your windows' energy efficiency.



UW
0.8
W/m²K



UNILUX DesignLine 0.8

UW
0.7
W/m²K



UNILUX DesignLine 0.7



Glazing seals

Instead of maintenance-intensive silicon, we use black EPDM, a synthetic rubber with impressive durability thanks to its weather and moisture resistance.



Sleek appearance

No frills, no gadgets. The DesignLine models stand for clear, puristic lines. Timeless window design.



Mushroom pins for added security

The mushroom-shaped locking device makes break-in attempts harder. Upgradable to 4-fold corner joints (SAFE package) and EN-verified burglar resistance class 2 upon request.



Aluminium clad wood windows

DesignLine Privacy



"My home is my castle." Just block the world out. Be undisturbed, footloose and fancy free. This is easy with the aluminium clad wood DesignLine Privacy window. Thanks to integrated blinds, you can create privacy at any time – even by remote control if you wish. Also save on energy compared to a roller-shutter or venetian blind box.

DesignLine Privacy Advantages on 5 levels

✓ 1. Privacy

Discretion could not be more easily achieved. Nothing has to be built, mounted or improvised. The blinds move easily, via remote control if required.

✓ 2. Peace and quiet

Three or even four glass panes mounted some distance from one another enable unrivalled sound-proofing. Test it for yourself and pull the blind up: You'll see the cars but won't hear them.

✓ 3. Warmth

Roller-shutter or venetian-blind boxes are often energy guzzlers. Heat escapes and cold creeps in. DesignLine Privacy gets rid of this airlock. Since the blind is now part of the window, the boxes are no longer required.

✓ 4. Security

When it comes to glazing, UNILUX uses materials such as tempered or laminated safety glass, which is particularly resistant to impacts, effectively protecting against uninvited guests.

✓ 5. Freedom of design

The integrated blind – with your choice of color – offers you a wide range of possibilities. As you don't require shutters, curtains or separately mounted blinds, your freedom of design is greater than ever before.





UW
0.8
W/m²K



UNILUX DesignLine Privacy

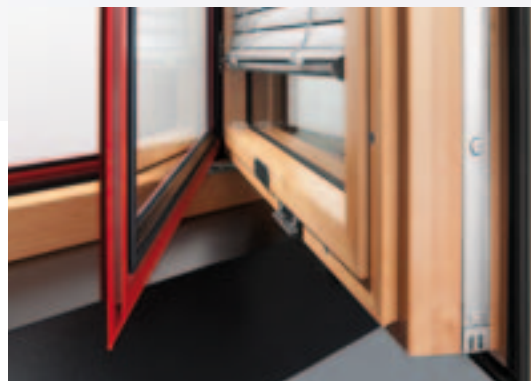
Try out more comfort.

As an option to the standard chain cord, the blinds integrated into many windows can now be operated by remote control from the comfort of your sofa, armchair or bed.



Internal blind

The energy-efficient alternative to the box above the window. It can be easily adjusted to the sun's position via motor or chain. As it is located inside, it hardly gets dirty, either.



Easy to clean

The blind sits in front of the insulated glass unit, making the rare cleaning sessions a piece of cake. Simply open the sash, clean it, and you're done!



Sleek appearance

No frills, no gadgets. The DesignLine models stand for clear, puristic lines. Timeless window design.

Quality as a standard: the basic UNILUX advantages

As you know from buying cars, some models look cheap at first glance. But upon closer examination, you are incredulous at all the extras charged by the manufacturer.

That's not the case at UNILUX. Our basic features in themselves are so extensive, that there is often no need for accessories. Each of our standard aluminium clad wood windows has the following special features:

Glazing seal



Silicon may be cheap, but it fades easily, is hard to clean, and susceptible to cracks and abrasion. UNILUX uses the better alternative: synthetic rubber, which is easy to clean, fade-resistant, long-lasting and hardly noticeable.

Aluminium cladding slider couplings



Aluminium contracts or expands more than wood in cold or hot weather, creating tension on the frame. We prevent this from happening by mounting the aluminium cladding on slider couplings – similar to a rail system. This also ensures the wood is properly ventilated at all times.

Superior-quality wood



Not all woods are the same. To guarantee a consistently high quality of materials, we use our own experienced wood purchasers, even in the most distant of supply countries. The same strict standards are applied during treatment – to ensure the wood has a long and healthy life.

Security



Every standard UNILUX aluminium clad wood window has a mushroom pin in its fittings, which greatly prevents the window from being pried open. All locking parts are also made from high-quality materials, providing added security.

Aluminium powder coating



"The exterior paint has chipped" is a phrase unfamiliar to UNILUX customers. Because our aluminium clad wood windows are made using aluminium powder coating, which has been tried and tested in the automotive industry. The result is highly robust paintwork able to withstand even the harshest of elements.

Embedded (recessed) lock keepers



Impressive not only aesthetically, but also from a security perspective – due to being recessed compared to screwed-on locking parts. And the window frames are also easy to clean due to the fact that all the metal parts are recessed/embedded.

Extra perfect: the UNILUX optional advantages

Special circumstances require special solutions. That's why UNILUX offers exclusive added value when it comes to security, material protection and energy usage.

These additional benefits also give you the peace of mind of knowing you have the ultimate aluminium clad wood windows. Perfection, made by UNILUX.

Added security: SAFE



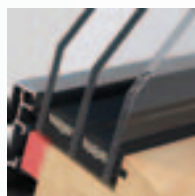
We offer special alarm system and SAFE ranges for maximum protection. SAFE II and SAFE III are an affordable and effective way of making things difficult for burglars. UNILUX provides the right solutions, from the 4-corner security locks - in which sturdy mushroom pins firmly grip the locking parts of all 4 corners of a window sash - to the A1 safety glass. For higher standards, there is also the EN 1627ff-certified security of resistance class 2.

Plus: Aneloxal coating



It's not just acid rain which can corrode metal. Salty sea air can also have aggressive, negative impacts up to 60 miles/100 kilometers inland - including on stainless steel. Pre-anodising, - the "aneloxal" process - effectively prevents corrosion. We are one of the very few manufacturers to use this form of coating at customers' requests, thereby ensuring UNILUX aluminium clad wood windows remain a symbol of durability, even in coastal areas.

Extra warmth: Triple glazing



Triple-pane instead of dual-pane. The additional pane further improves Thermal properties, thereby lowering energy costs, and as the triple pane glass is between 1 1/2"/40mm and 1 7/8"/48mm thick, it can also be effectively sound-proofed.

Solar gain: ThermoWhite3

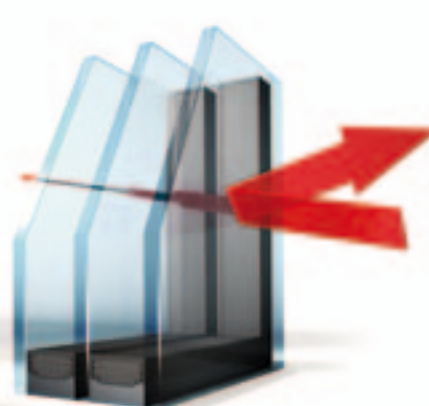


A 3-pane insulated glazing option which does more than just keep the cold out. Thanks to a new, invisible Low-e coating, you can more intensively utilise the energy from the sun's rays. More solar heat finds its way into the house. And this coating - combined with the argon gas fill - ensures it stays there.



Coating for ThermoWhite3

The special coating lets more sun and warmth in.

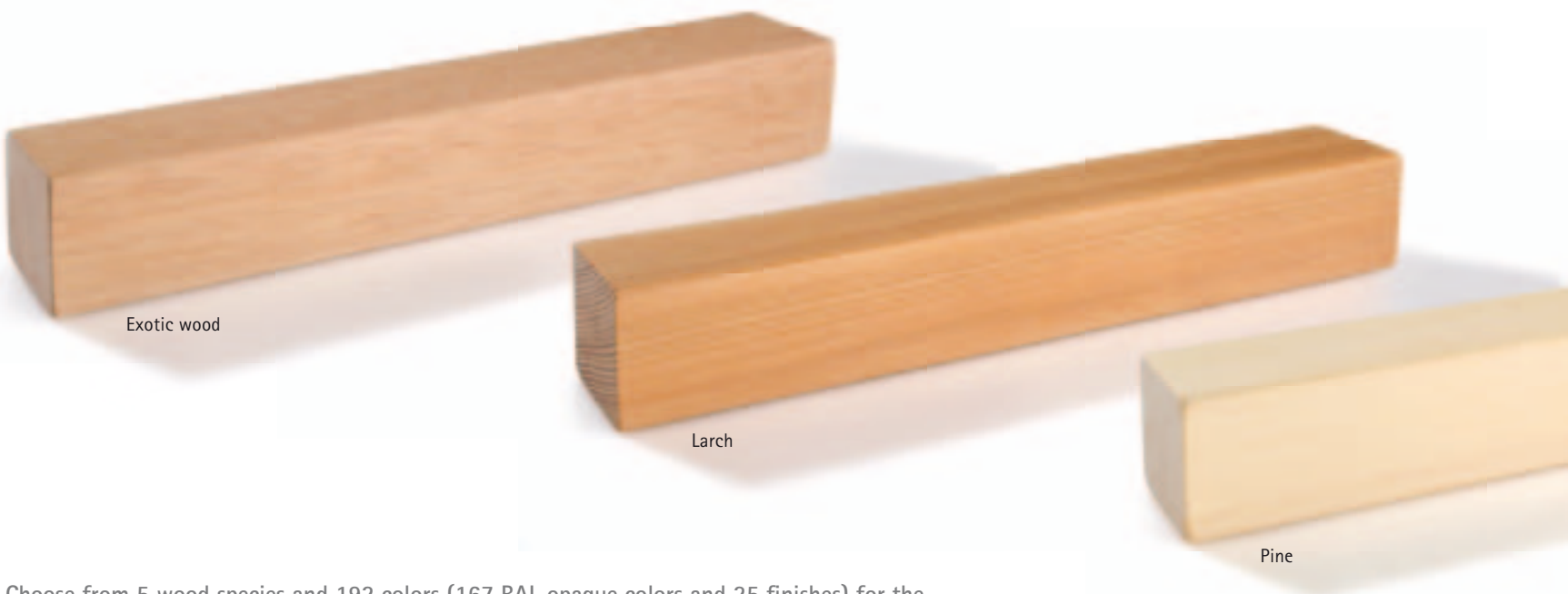


Argon gas fill

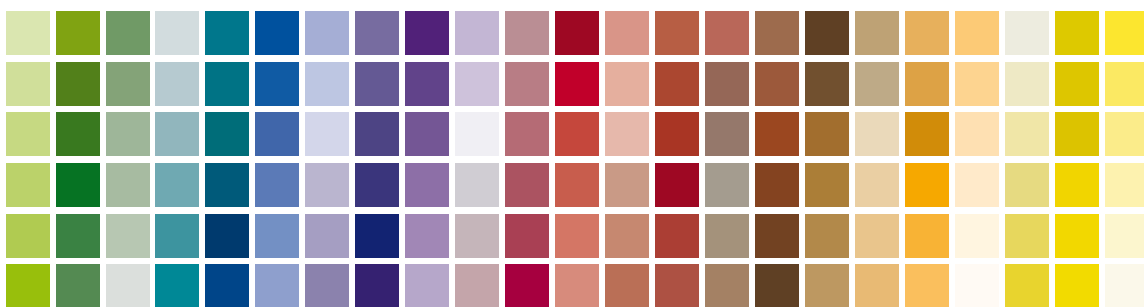
While the heat "ricochets" around inside and remains in the house, thanks also to the argon gas fill.

Freedom of design in terms of material and colour

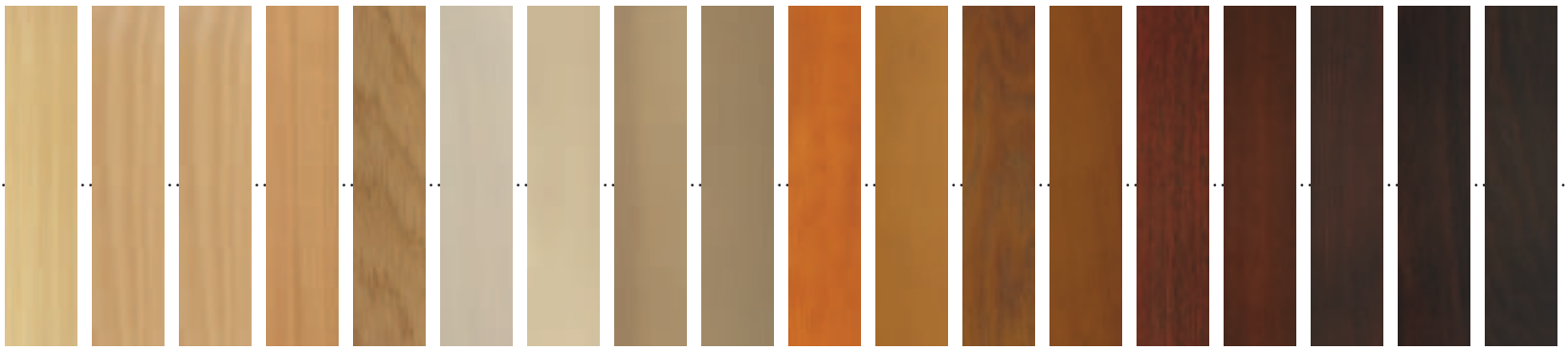
How many different tastes are there? Around 2 million when it comes to wood and color. Because that's how many combination options you have for your individual UNILUX aluminium clad wood windows. Find out which wood species goes best with which color, and which pattern goes with the aluminium cladding.



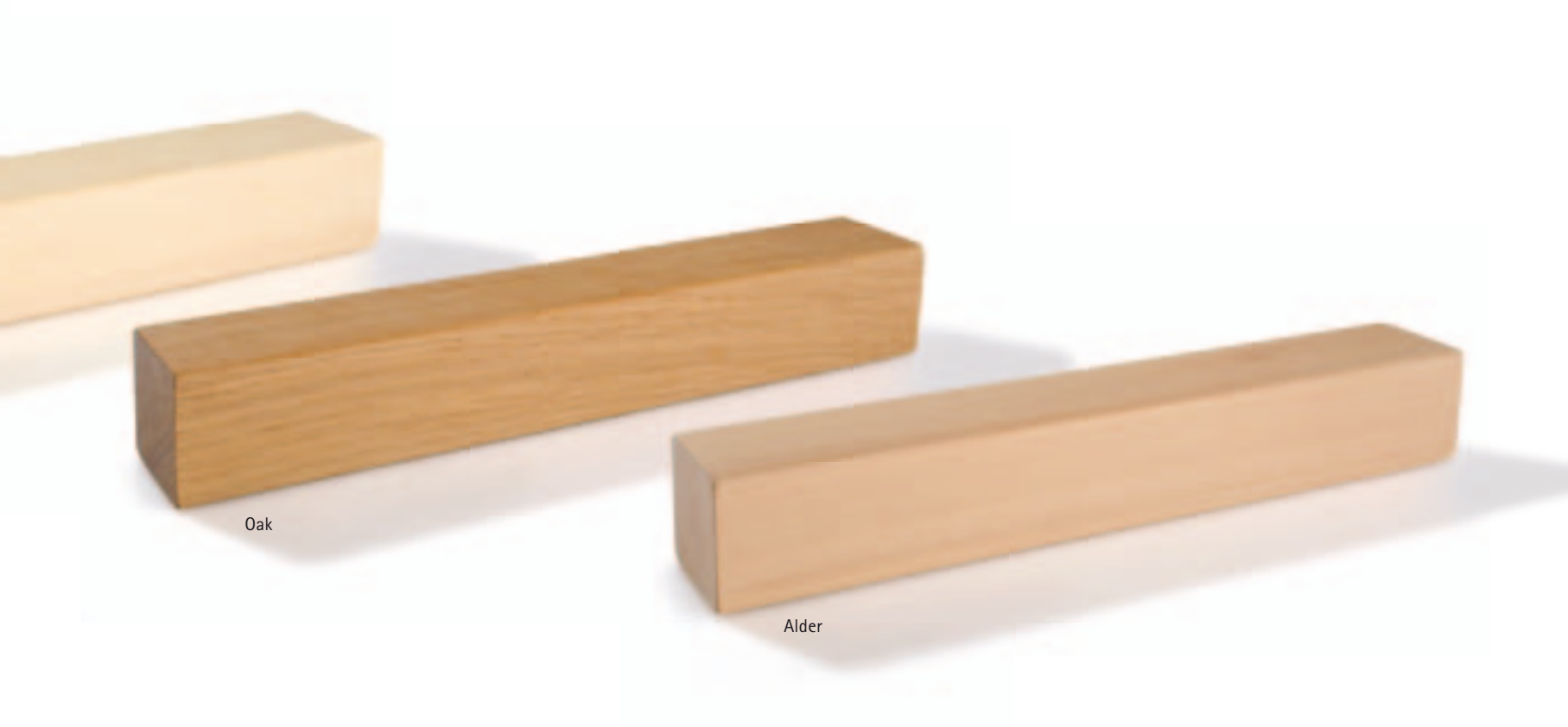
Choose from 5 wood species and 192 colors (167 RAL opaque colors and 25 finishes) for the internal design (the wood species and wood coating), while the outer design (aluminium cladding) has even more options, allowing you to choose from over 2,100 colors and patterns (RAL, NCS, DB, Eloxal (anodized aluminium coating) and white-pigment colors, as well as wood patterns).



Colors may vary due to printing.



Choose from the following wood species: Pine, oak, alder, larch and exotic wood, as well as 20 transparent or semi-transparent finishes.



Oak

Alder



You love wood

Wood is a living material, so it's nice if you can incorporate it into your living space. UNILUX aluminium clad wood windows bring this vitality to your living room.



Your world is colorful

Colors are an expression of personality and attitude towards life. Show off your taste and choose from a range of colors which leaves nothing to be desired.



It's your choice

Even when it comes to wood colors, UNILUX always gives you the choice. Select from a wide variety of wood species, and make the most of the options for designing the wood's color scheme.

Endless variety of shapes

There are practically no limits when selecting the shape of your aluminium clad wood windows. Triangular or circular window? Sectional or semicircular arch? With or without SDL or TDL bars? Your specialised UNILUX trade partner will show you what's possible.



A handle on design

Design you can grab: Every UNILUX handle is not only a solid piece of "Made in Germany" workmanship, but also a visual gem. A tool enabling you to express your taste and style.



Standard handle
silver colors

Standard handle
steel colors

Standard handle
bronze colors

Standard handle
white

Stainless steel handle
angular shape

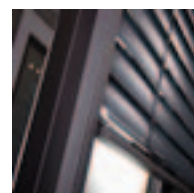
Stainless steel handle
L-shape

Stainless steel handle
U-shape

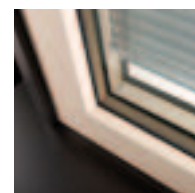


Shades and screens

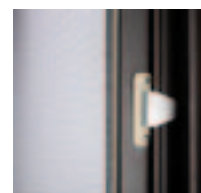
Whether it be classic roller shutters, elegant blinds or trend-setting wooden folding shutters, at UNILUX, we fulfil all requests when it comes to shading and screens. Ask your advisor what sort of shading is best for you and your needs. He/she will be glad to offer you advice.



Blinds in window color



Internal screen



Insect screen



Variety of grids (divided lights)

Divided lights are the icing on the cake when it comes to a window's appearance. Our range covers four different lines, from true divided and simulated divided lites to the internal brass or aluminum grid (grid between the glass).



Lockability

Not every window needs to be opened, especially when there are small children around. That's why most of our handles come with a lock button, and are also available as lockable variants. Just in case.



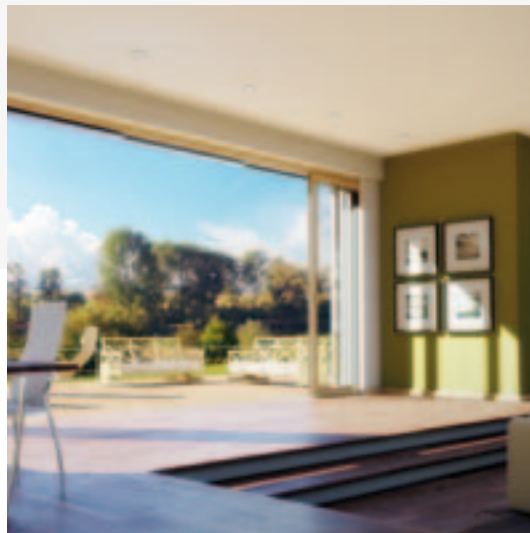
Sun shades & co

UNILUX has first-class roller shutters, window shutters like the ones found in picture books, and insect screens which are either integrated into the roller-shutter box as a blind, or which act as a separate component.

The unique UNILUX

MAXXI

GALLERY



GLASS

For unlimited vision and new spheres of experience.



Full-glass corner window

OpenView

The dream which comes true.

OpenView allows you to gaze far into the distance – without any interfering window frames in the corner. Uninterrupted views for as far as the eye can see.

Technical masterpiece

Completely transparent, but based on a sophisticated UNILUX structure. The two conjoined symmetrical stepped-edge glass panes contains invisible insulation which effectively minimises condensation build-up. The black strip distinguishing the glass corner is made from high-quality enamelling which looks like it is crushed in the glass, meaning only a shadow gap is visible. Typical UNILUX – the mastering down to the finest detail.

Freedom of design

Whether as a strip of tall windows or a large glass field, OpenView adds value to modern, high-quality architecture. Of course, this impressive structural feature comes in wood species, contours, wood colors and external colors which blend in perfectly with the UNILUX aluminium clad wood windows. It is also available with energy saving triple-pane glass, upon request.





Maximum performance

Both in terms of energy and architecture: The symmetrical corner is connected via two stepped-edge glass panes, allowing the glass behind them to be insulated in a virtually invisible manner.



Safety glass

The standard tempered safety glass (with seal) ensures firmness and optimised load distribution.



Slender profile

The filigree design enables maximum transparency. Aesthetics and robustness become one thanks to the safety glass.

Lift/Slide system

PocketDoor

The disappearing door. The panels of the PocketDoor can be fully slid into a pocket in the wall, rendering them invisible. This makes it possible to have up to 30'9 meter wide openings and over 269 sq ft/25 sqm open spaces – for maximum brightness and fascinating possibilities for design.

Fluid transition

The lack of a conventional threshold – there are only tiny, barely noticeable tracks – means the interior and exterior flooring can be seamlessly fit into one another, posing no obstacle when you walk in or out.

Architectural freedom

The trend-setting PocketDoor was created for sophisticated, state-of-the-art architecture. It stands for pure living elegance, tailored perfectly to the UNILUX aluminium clad wood windows. Also available with energy saving triple-pane glass upon request.





Seamless connection

The countersunk tracks of the UNILUX PocketDoor can be seamlessly integrated into the flooring.



Invisible

The UNILUX PocketDoor can be fully and invisible hidden in the special pocket. For an open-plan feeling.



Up to 30'9 meter of freedom

Using up to 6 door panels, which can seamlessly disappear into one or two wall pockets, creates an amazing feeling of space.

Lift/Slide system

HS

The classic model in its most convenient form.

With the lift/slide system, you'll see how sliding becomes gliding. A simple panel movement creates an opening approximately 10'3 meter wide and 9'2.8 meter high.

Exemplary craftsmanship

The lift/slide system perfectly demonstrates nature of UNILUX's products. High-quality hardware and solid constructions enable long-lasting elements which ensure maximum views and grand openings.

Freedom of design

Easy on the eye: The lift -slide system comes in wood species, contours, wood colors and external colors which blend seamlessly into the UNILUX aluminium clad wood windows. With energy saving triple-pane glass, upon request.





A handle on everything

Thanks to a practical recess and solid handle, the panels can be easily moved both inside and outside. The system also comes in a lockable version.



Low threshold

Depending on the architecture, the threshold can be integrated into the floor for an almost fluid transition.



Shared sash profiles

Design from the same mould: The sash profiles of the lift/slide system are tailored to the entire UNILUX line.

Bi-Fold (sliding-folding) system

Exterior

There are no obstacles here. You don't need to move any plants or standard lamps, because the door panels fold outwards, creating an opening up to 25/7.7 meter wide and 9'/2.8 meter high.

And a nice benefit: If you open the door after a rain shower, the water automatically drains to the outside – leaving everything dry inside.

Exemplary durability

The bi-fold door perfectly demonstrates the stable and durable nature of UNILUX's products. Aluminium is used as the base material and wood as the cladding, creating a high degree of rigidity in one element, in which everything fits perfectly together.

Freedom of design

Easy on the eye: The bi-fold door comes in wood species, contours, wood colors and external colors which blend seamlessly into the UNILUX aluminium clad wood window line (including energy saving triple-pane glass).

Even the external handle can be matched to the unit's exterior color. And upon request, the bi-fold door is also available with embedded threshold.





Seamless connection

Depending on the architecture, the panels' castors can be integrated into the floor – forming the basis for a flat sill track and fluid transition.



Freedom of interior design

As the panels open outwards, you don't need to create any space for them inside. And when they are opened, raindrops land on the terrace instead of the floor.



Handles

Practical when you want to get out quickly. Depending on how the elements are divided, a standard door handle can be installed (in the same color as the element's exterior).

Façade system (Curtain Wall)

FineLine

The name's the game. FineLine is distinguished by its slender yet solid post & beam construction. The sophisticated connection technology allows even tricky architectural tasks to be mastered with maximum quality.

Exemplary strength

UNILUX only uses solid, laminated wood protected by a weather-proof aluminium cladding, which also holds the glass panes in place. These robust materials, as well as the sophisticated, invisible connection technology for posts and beams, ensure maximum stability even for large façades extending beyond one floor.

Freedom of design

Easy on the eye: The large glass areas enable personalised interior design.

The slender, elegant FineLine façade comes in a variety of wood species and colors, contours and aluminium exterior colors, which blend seamlessly into the UNILUX aluminium clad wood window lines. Available with energy saving triple-pane glass, upon request.





Energy efficiency

Optimum U-value according to passive house standards is achieved, thanks to the thermally insulated construction. The heat stays in and the cold stays out.



Aesthetics

Solid wood, perfectly presented. The base connection with post-and-beam profile is just one example of the importance UNILUX places on high-quality architectural solutions.



Workmanship

Closer inspection please. Examining details reveals just how much precision work goes into each UNILUX product.

Large-scale door

JumboLine

Taller windows are becoming increasingly popular. So it's great if balcony doors can also be adapted. While the standard balcony door has a maximum height of about 8' 6"/2.6 meter, our JumboLine balcony doors can be up to 10' 6"/3.2 meter tall. The key to this is a solid hinge underneath, which is able to bear panel weights of up to 385 lbs/175 kg.

Harmony in completion

Engineering and aesthetics make a harmonious couple. For example, the sash limiter which prevents the panel from excessive opening is only visible when the door opens. The structural glass and securely anchored hardware ensure maximum stability – the panel is easy to operate even after many years.

Seamless integration

The JumboLine is available in all the aluminium clad designs, aluminium colors, wood species and finishes of the standard aluminium clad wood windows.





Strong hardware

Thanks to solid door hinges, even heavy panels (up to 385 lbs/175 kg) are a piece of cake for this large door. And a durable construction ensures long-lasting use.



Invisible sash limiter

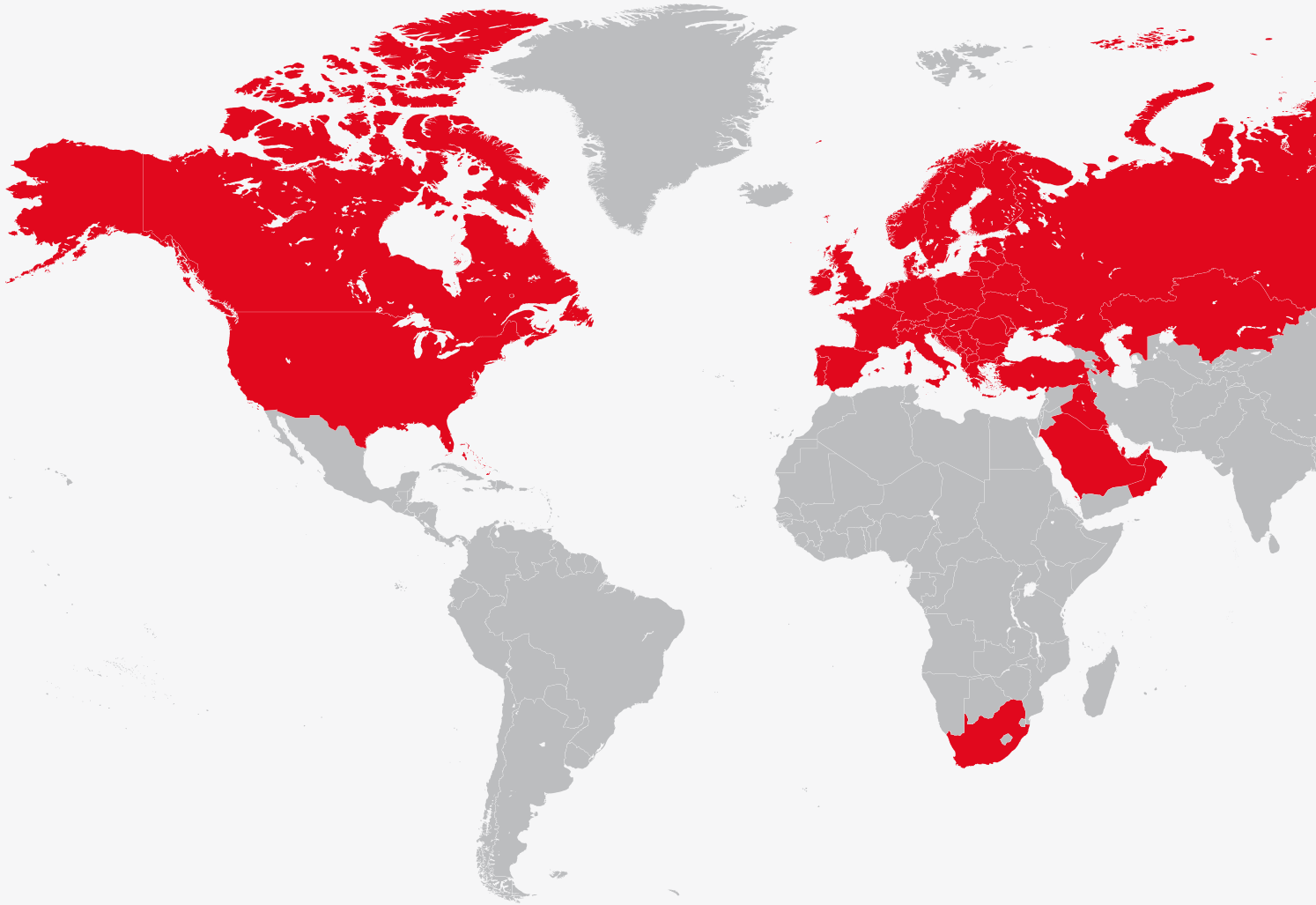
To protect the hinges, standard JumboLines have a build-in, invisible turn restrictor which automatically stops the door from opening beyond a 90° angle.



Filigree profiles

The door may be tall and heavy, but its panels are just as slim as any of our elegant tilt-and-turn windows.

The reliability of a big name



UNILUX ensures award-winning long-term progress

- by selecting the right partners and raw-material suppliers, and by being a member of leading institutions and associations:



UNILUX products meet international test and safety standards:





Company info

Publisher

UNILUX AG
54528 Salmtal / Germany
Telephone +49(0)6578/189-0
Facsimile +49(0)6578/1880
E-Mail info@unilux.de
www.unilux.de



Stock corporation based in Salmtal
Commercial register: B 12094, Wittlich District Court
VAT ID no.: DE 148 182 408

Chairperson of the Supervisory Board: Werner Meeth
Executive Board: Alfred Meeth, Horst Zimmermann

Notes

The content of this catalogue is not legally binding and may be subject to technical changes as part of further developments or errors in the text, images or descriptions. We only allow images and text material – including excerpts – to be used upon request, and with our express written consent.

The image material used is for illustrative purposes. Differences in color are unfortunately unavoidable due to printing. The sample illustrations are not to scale.

© 2012, UNILUX AG. All rights reserved.



UNILUX headquarters, Salmtal

UNILUX AG
54528 Salmtal / Germany
Telephone +49 (0)65 78/189-0
Facsimile +49 (0)65 78/18 80
E-Mail info@unilux.de

www.unilux.de



THE GREAT BRAND FOR PROGRESS