



# Silber

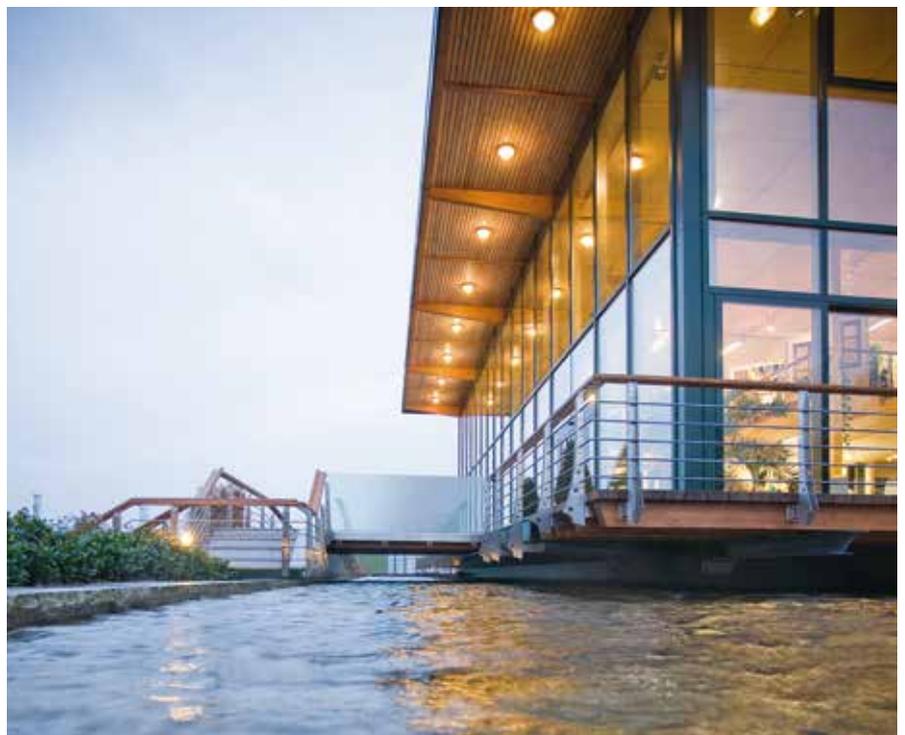
PREMIUM WINDOWS & DOORS

## ▪ Real Values

SILBER Fensterbau GmbH is a family business with a 150 year history. The company harks back to a time when windows were still built completely by hand. With the precision of a craftsman, the individuality of an artist and the innovation of an engineer. The knowledge and skill to build a high quality piece of furniture from wood has been passed from generation to generation ever since. Today these traditional values are combined with modern technology to make an exquisite product of the highest quality.  
The SILBER window.

The company's origins are revealed in the production process. Craftsmen carve the casements, engineers design unique products, silicone seals are carefully tightened by hand. Every window that the company produces is the child of a love for detail and decades of development and experience. A SILBER window is the coming together of aesthetics, innovative work techniques and precise engineering skill.





# Individual

## ▪ Just as you like it

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Windows and doors are the way we express and measure our personal lifestyle. Every window is a unique work of art. As a piece of furniture on the inside and as the eyes of your house's façade, the window is an essential element of the architecture of your house. That's why SILBER Fensterbau GmbH supports the wishes of individual customers and develops equally bold designs for all of them: from the timeless style of old buildings to the avant-garde design of modern constructions. Even when it comes to the selection of the material, there are no limits to the ideas you can have.

The fact that you get to sort timbers yourself and be part of the selection process for the colours of the varnishes we use really shows how far customised production can go.



# Innovative

- Always one step ahead
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SILBER windows are setting benchmarks insulation, burglary security, durability, resistance and sound-proofing. Something which is only possible through constant further development of our already high standard of quality.

Material innovations are constantly coming in to play in window construction.

This makes for a ground-breaking end product. But SILBER Fensterbau GmbH aren't content just to meet their own tough self-inflicted quality standards. Together with their

economic cooperation partners, they are revolutionising work processes all the time. The close collaboration of engineers and experienced craftspeople allows for progressive ideas to be carried out.

The result: a window ahead of its time.



# Precise

- With a love for detail

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Precision, a love for detail, real hand-craft. SILBER places just as much value on these aspects of window production as it does on the use of exclusive materials.

The highest quality construction materials that bring nature to your doorstep are grafted into windows and doors of unbeatable quality. SILBER Fensterbau GmbH has made it their goal to surpass standards even further and to extend the role of the market leader in precision and resistance even more. Determination

the selection of materials and the constant push to offer customers a first class product strengthen this position. The closed joints, wet-glazed window panes, triple coated brackets, which can hold 160kg of weight, and a triple seal system made from durable silicone are just a few examples of our efforts and make SILBER the front runners of the window construction industry.

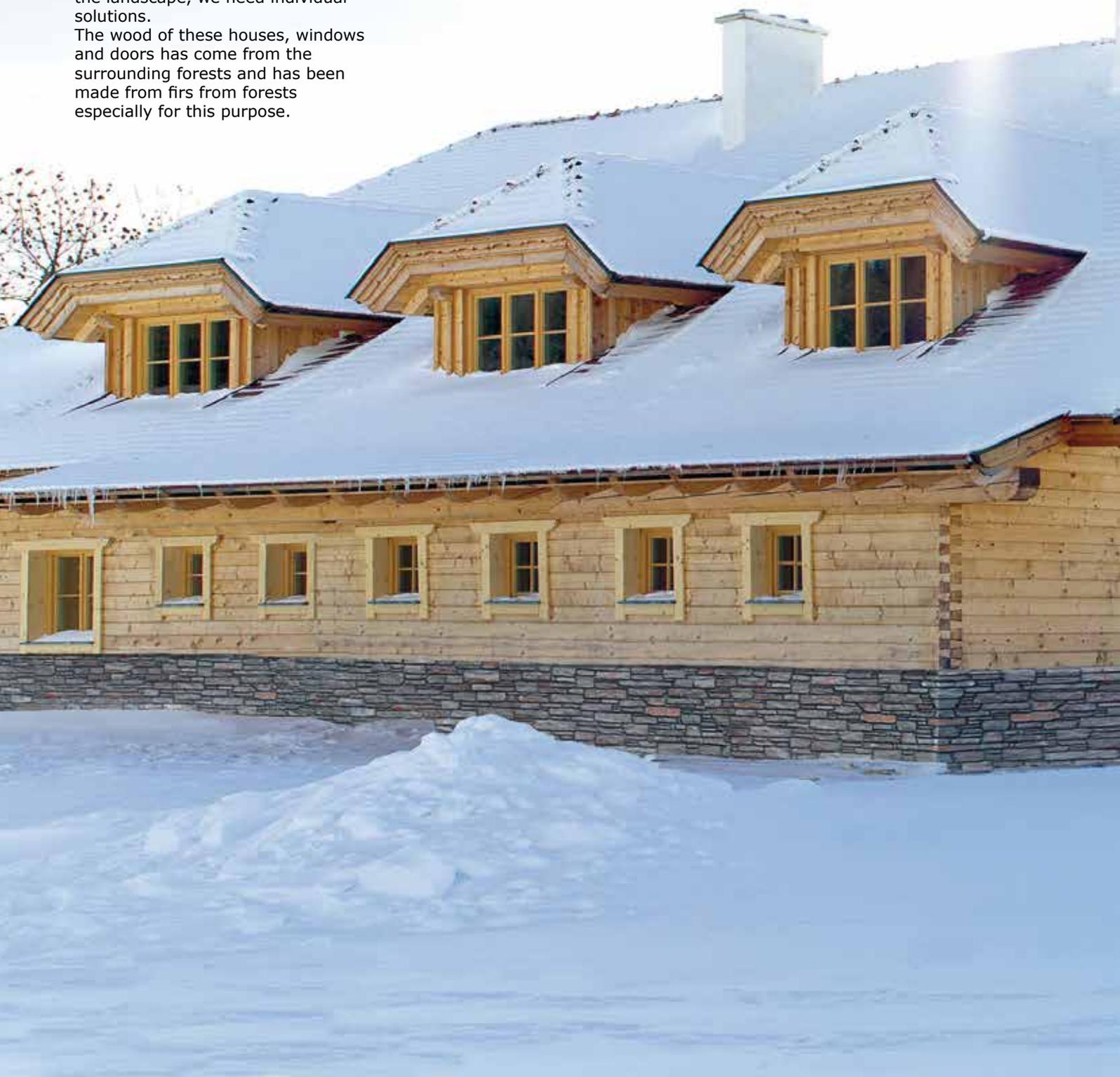
- SILBER  
Natural Wooden Windows

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An approximately 1750 metre mountain pasture, surrounded by picturesque coniferous forest.

To do justice to the uniqueness of the landscape, we need individual solutions.

The wood of these houses, windows and doors has come from the surrounding forests and has been made from firs from forests especially for this purpose.





### Heat protection glass

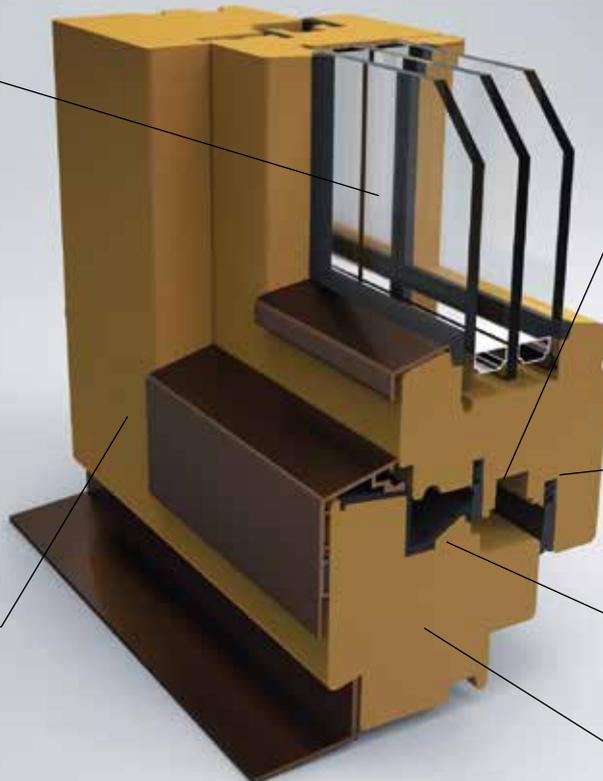
Standard triple heat protection glass ( $U_g$  0.7) with warm edging stops the build up of condensation.

### Durability

The closed joint provides constructive wood protection. The floor and wings are kept water-tight with a rain protection rail and an aluminium rain guard. Quadruple polishing guarantees a fine, high quality surface. The wood is coated with a thin layer of varnish or paint. The entire end grain surface is completely covered. Giving it durability and optimal resistance.

### Dummy door system

A patented mounting frame for new houses keeps your windows clean because the doors are not installed until after construction is over.



### Perfectly fitted

Triple coated fittings with the highest level of corrosion-proofing and resistance, which are able to withstand up to 160 kg of weight. Hidden or visible.

### Sustainably airtight

2 high quality, durable and revolving silicone seals (at a profile thickness of 100 mm - 3 seals). Temperature resistant from -60°C to +250°C. Even in the corners, the sealing levels are consistent.

### PVC gutter

No thermal bridges. The gutter is easy to clean. Invisible draining through built-in PVC pipe.

### Different kinds of wood

Non-warp multi-layer adhesive window frames with a profile thicknesses of 78 and 100 mm.

Natural wooden window construction	$U_f$ value [W/m <sup>2</sup> K]	Driving rain [class]	Air permeability [class]	Wind pressure [class]	Sound-proofing value $R_w$ [dB]			
Inwardly opening, wooden, simple tilt and turn windows 1230 x 1480 mm	1.15-1.17	9A *****	4 *****	B5 (C5) *****	35-43			
Glass construction	$U_w$ value [W/m <sup>2</sup> K]	$U_g$ value [W/m <sup>2</sup> K]	Light transmittance [%]	g value [%]	Sound-proofing value Glass [dB]	$\psi$ value Stainless steel [W/m <sup>2</sup> K]	Burglary protection RC according to EN 1627	
[G-1-01] Standard 4-12-4-12-4	1.0	0.7	72	50	34	0.064	-	
[G-9-01] 4-16-4	1.3	1.1	72	63	32	0.063	-	



Natural wooden window [N1783]  
 Left: External view - Larch [LAR]- brushed [GB-2-01]  
 Right: Internal view -- Larch [LAR]- brushed [GB-2-01]



Natural wooden window [N1783]  
 Left: External view - Larch [LAR]- Larch [OF-1-04]  
 Right: Internal view -- Larch [LAR]- brushed [GB-2-01]

▪ SILBER  
 Natural Wooden Windows

Constructing a window begins with the selection of the exquisite timbers and working carefully with them.

The fully glued joints, the hidden drainage and the drip nozzle of the rain guard make for constructive wood protection. Each section is sorted per commission to guarantee a harmonious grain appearance on the floor and wings. With a profile thickness of up to 100 mm, you can achieve the highest level of insulation and soundproofing.

Different types of wood are finished with individual craftsmanship with a thin layer of varnish or coat of paint. The result is a product with natural beauty.



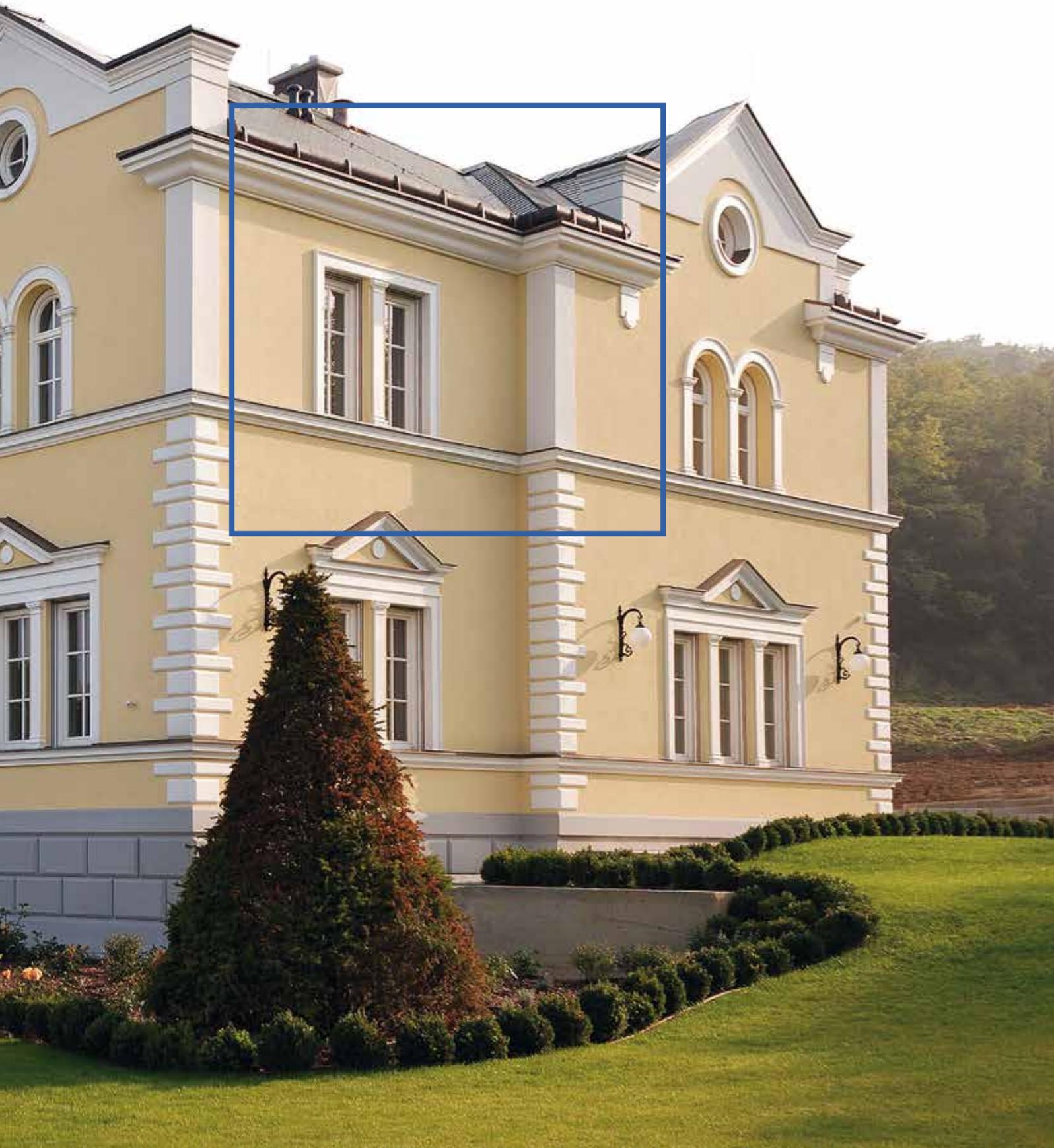
**Silber**  
 PREMIUM WINDOWS & DOORS

- SILBER  
Wooden/aluminium Classic

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Restored and furnished with new windows and doors, this mansion shines just as it did in its youth. Inspired by classic forms of construction, the SILBER Wood/aluminium Classic window can offer a cosy home for generations to come.





### Heat protection glass

Standard triple heat protection glass ( $U_g$  0.6) with warm edging stops the build up of condensation.

### The best protection

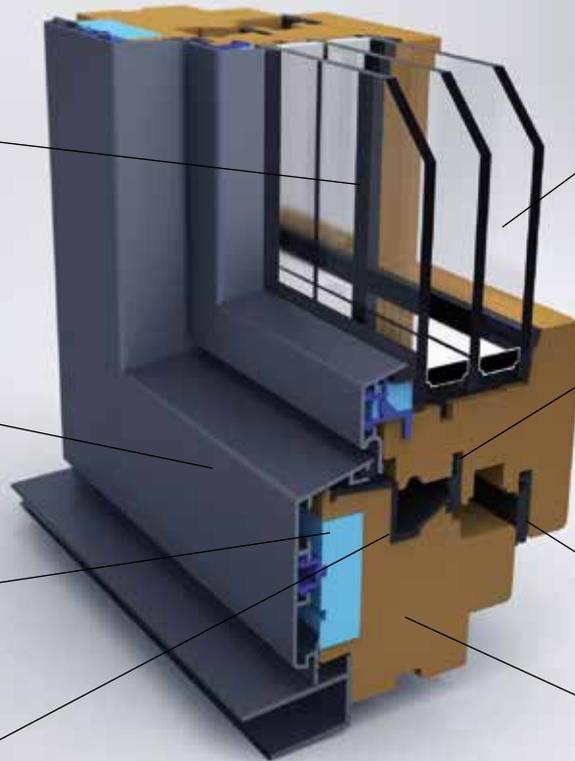
Back-ventilated aluminium facing shell for a maintenance-free surface. All frame corners stamped, screwed and glued with corner brackets (with the option to have them welded). Aluminium available in 2 constructions.

### Heat protection system

Our built-in patented heat insulation gives the windows the best  $U_f$  value.

### PVC gutter

No thermal bridges. The gutter is easy to clean. Invisible draining through built-in PVC pipe.



### Durability

The closed joints provides constructive wood protection.

### Perfectly fitted

Triple coated fittings with the highest level of corrosion-proofing and resistance, which are able to withstand up to 160 kg of weight. Hidden or visible.

### Sustainably airtight

3 high quality, durable and revolving silicone seals. Temperature resistant from -60 °C to +250°C. Even in the corners, the seal levels are consistent.

### Different kinds of wood

Non-warp multi-layer adhesive window frames with a profile thicknesses of 78 and 100 mm.

Wooden/aluminium Classic construction	$U_f$ value [W/m <sup>2</sup> K]	Driving rain [class]	Air permeability [class]	Wind pressure [class]	Sound- proofing value $R_w$ [dB]			
Internally opening, wood/aluminium, tilt and turn windows 1230 x 1480 mm	1.01	9A *****	4 *****	B5 (C5) *****	35-43			
Glass construction	$U_w$ value [W/m <sup>2</sup> K]	$U_g$ value [W/m <sup>2</sup> K]	Light transmit- tance [%]	g value [%]	Sound- proofing value Glass [dB]	$\psi$ value Stainless steel [W/m <sup>2</sup> K]	Burglary protection RC accor- ding to EN 1627	
[G-1-05] Standard SS 4-18-4-18-4	0.75	0.5	72	50	34	0.029	-	
[G-1-03] Standard 4-16-4-16-4	0,79	0.6	72	50	34	0.029	-	
[G-4-01] Protection P4A VSG 10-14-4-12-4	0.96	0.7	68	44	-	0.071	RC 2	
[G-5-02] Parapet glazing 6-16-6-16-8 VSG	0.89	0.6	67	44	-	0.071	RC 1	
[G-3-01] Soundproofing WS 42/39 8-12-4-14-6	0.99	0.7	70	47	39	0.072	-	
[G-3-02] Soundproofing WS 44/47 VSG 8-12-4-12-8 VSG	1.0	0.7	69	45	47	0.076	RC 1	



Wooden/aluminium Classic [S0783]  
 Left: External view - Aluminium - DM02 [AF-DM-02]  
 Right: Internal view - Spruce [FIV] - colourless [OF-1-01]



Wooden/aluminium Classic [S0783]  
 Left: External view - Aluminium - Traffic white RAL 9016 [AF-9016M]  
 Right: Internal view - Spruce [FIV]- RAL 9010 [OF-5-50]

### ▪ SILBER Wooden/ aluminium Classic

A classic appearance, a wealth of varieties and a ground-breaking heat insulation system mark this window out from the rest. On the outside, aluminium profiles in different directions protect the window from rain and snow. On the inside hand polished timber in different designs make for the perfect style to match your home. The triple glazing means that even in winter your home can be cosy and warm. Innovative construction provides you with a resistant window that keeps your heating bills down.

- SILBER  
Wooden/aluminium Modern

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Modern lifestyle, contemporary architecture, generous panes. In this house the flush mounted SILBER wood/aluminium window makes for great lighting in the spacious rooms. The efficiency and practicality of the design goes perfectly with the simplicity of the window.





### Heat protection glass

Standard triple heat protection glass ( $U_g$  0.6) with warm edging stops the build up of condensation.

### The best protection

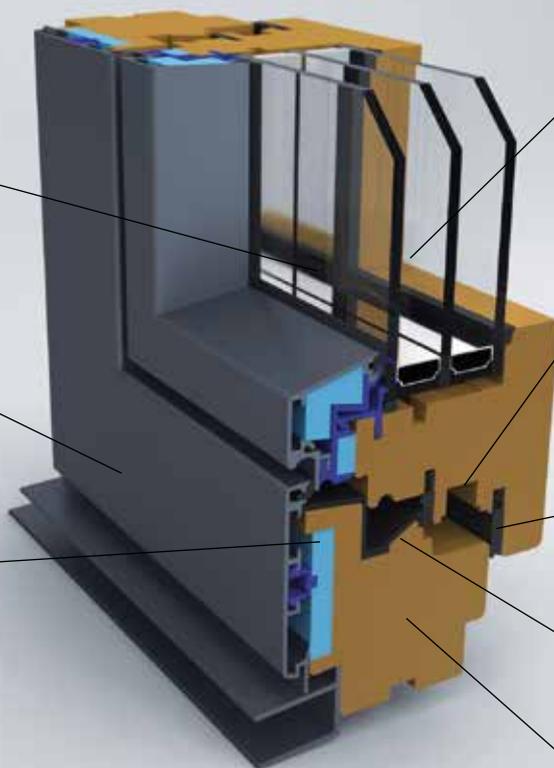
Back-ventilated aluminium facing shell for a maintenance-free surface. All frame corners stamped, screwed and glued with corner brackets (with the option to have them welded).

### Heat protection system

Our built-in patented heat insulation gives the windows the best  $U_f$  values.

### Dummy door system

A patented mounting frame for new houses keeps your windows clean because the doors are not installed until after construction is over.



### Durability

The closed joints provides constructive wood protection.

### Perfectly fitted

Triple coated fittings with the highest level of corrosion-proofing and resistance, which are able to withstand up to 160 kg of weight. Hidden or visible.

### Sustainably airtight

3 high quality, durable and revolving silicone seals. Temperature resistant from  $-60\text{ }^{\circ}\text{C}$  to  $+250\text{ }^{\circ}\text{C}$ . Even in the corners, the seal levels are consistent.

### PVC gutter

No thermal bridges. The gutter is easy to clean. Invisible draining through built-in PVC pipe.

### Different kinds of wood

Non-warp multi-layer adhesive window frames with a profile thickness of 78 mm.

Wooden/aluminium Modern construction	$U_f$ value [W/m <sup>2</sup> K]	Driving rain [class]	Air permeability [class]	Wind pressure [class]	Soundproofing value $R_w$ [dB]			
Internally opening, wood and aluminium, easy tilt and turn windows 1230 x 1480 mm	1.02-1.04	9A *****	4 *****	B5 (C5) *****	35-43			
Glass construction	$U_w$ value [W/m <sup>2</sup> K]	$U_g$ value [W/m <sup>2</sup> K]	Light transmittance [%]	g value [%]	Soundproofing value Glass [dB]	$\psi$ value Stainless steel [W/m <sup>2</sup> K]	Burglary protection RC according to EN 1627	
[G-1-03] Standard 4-16-4-16-4	0.80	0.6	72	50	34	0.029	-	
[G-4-01] Protection P4A VSG 10-14-4-12-4	0.97	0.7	68	44	-	0.072	RC 2	
[G-5-02] Parapet glazing 6-16-6-16-8 VSG	0.90	0.6	67	44	-	0.072	RC 1	
[G-3-01] Soundproofing WS 42/39 8-12-4-14-6	1.0	0.7	70	47	39	0.072	-	
[G-3-02] Soundproofing WS 44/47 VSG 8-12-4-12-8 VSG	1.0	0.7	69	45	47	0.077	RC 1	



Wooden/aluminium Modern [FLB783]  
 Left: External view - Aluminium - DM03 [AF-DM-03]  
 Right: Internal view - Spruce [FIV] - colourless [OF-1-01]

▪ SILBER Wooden/  
 aluminium Modern

Merging wood and aluminium guarantees durability and the highest levels of insulation. The flush mounted windows allow for a streamlined appearance and harmonise particularly well with the clear shapes of modern architecture. A wide range of materials allows the development of individually adapted design elements for buildings in a more contemporary style.

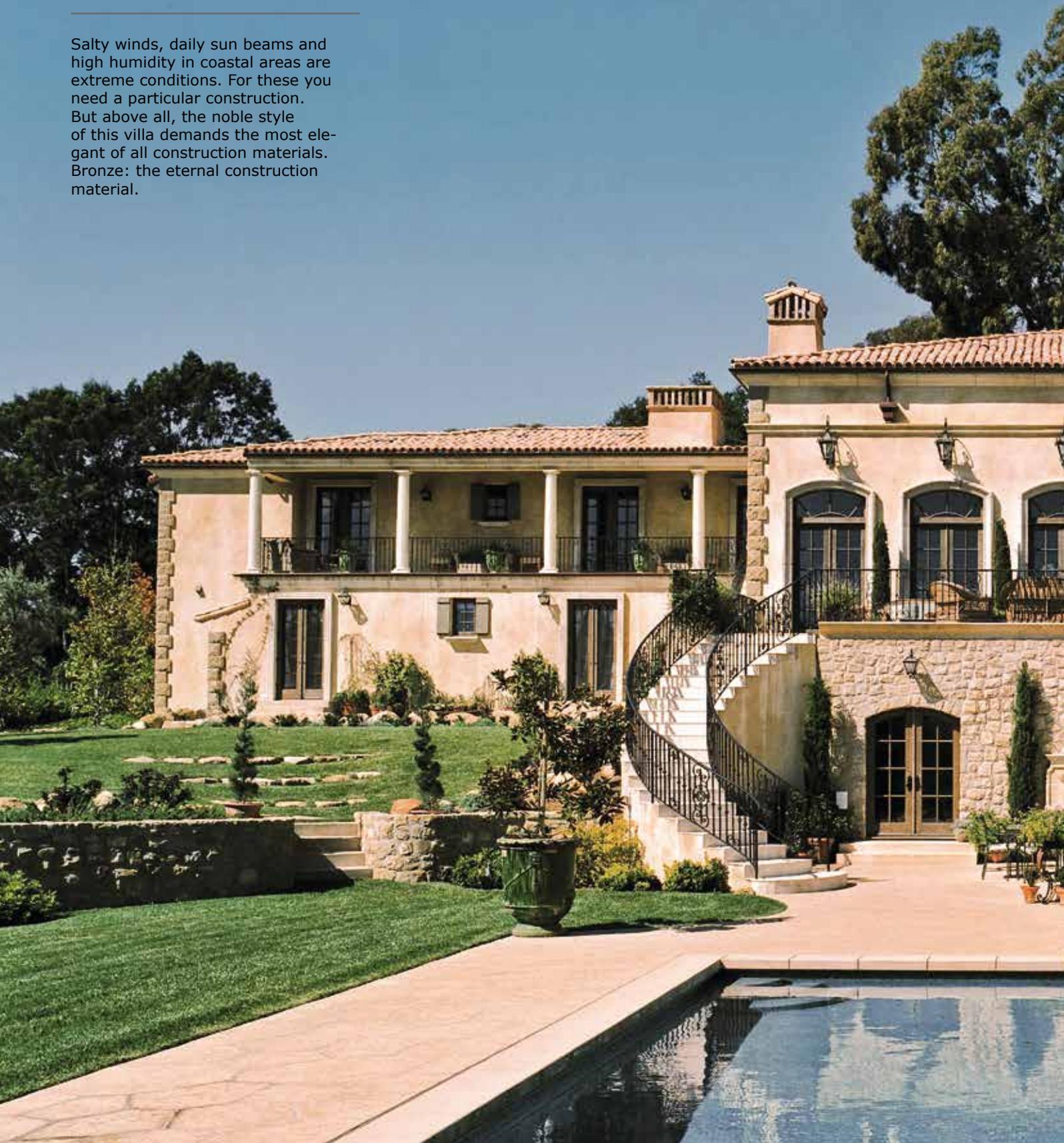


Wooden/aluminium Modern [FLB783]  
 Left: External view - Aluminium - Chocolate brown RAL 8017 [AF-8017M]  
 Right: Internal view - Nut [NUS] - colourless [OF-1-01]

- SILBER  
Bronze

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Salty winds, daily sun beams and high humidity in coastal areas are extreme conditions. For these you need a particular construction. But above all, the noble style of this villa demands the most elegant of all construction materials. Bronze: the eternal construction material.





### Durability

The closed joints provide constructive wood protection.

### Heat protection glass

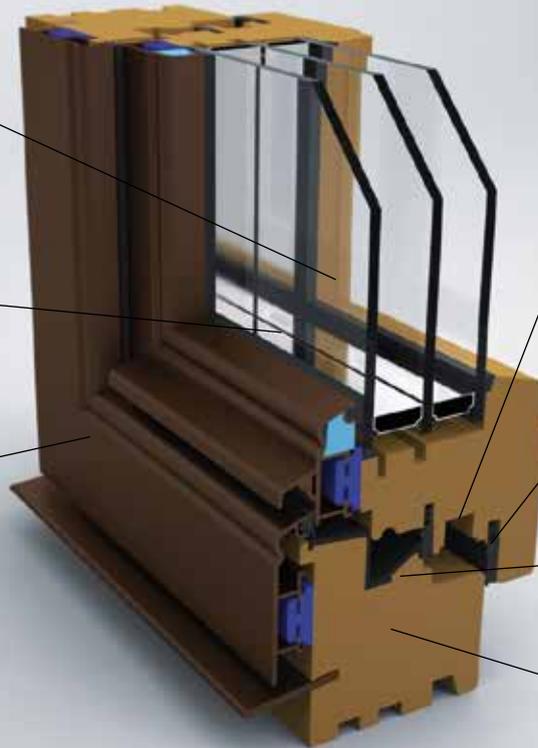
Standard triple heat protection glass ( $U_g$  0.5) with warm edging stops the build up of condensation.

### For eternity

Back-ventilated bronze facing shells for a maintenance-free surface. Available in Bronze Antico or Bronze Ramato.

### Dummy door system

A patented mounting frame for new houses keeps your windows clean because the doors are not installed until after construction is over.



### Perfectly fitted

Triple coated fittings with the highest level of corrosion-proofing and resistance, which are able to withstand up to 160 kg of weight. Hidden or visible.

### Sustainably airtight

3 high quality, durable and revolving silicone seals. Temperature resistant from -60 °C to +250°C. Even in the corners, the seal levels are consistent.

### PVC gutter

No thermal bridges. The gutter is easy to clean. Invisible draining through built-in PVC pipe.

### Different kinds of wood

Non-warp multi-layer adhesive window frames with a profile thickness of 78 mm.

Bronze construction	$U_f$ value [W/m <sup>2</sup> K]	Driving rain [class]	Air permeability [class]	Wind pressure [class]	Soundproofing value $R_w$ [dB]			
Internally opening, wood /bronze, tilt and turn windows 1230 x 1480 mm	1.04	9A *****	4 *****	B5 (C5) *****	35-43			
Glass construction	$U_w$ value [W/m <sup>2</sup> K]	$U_g$ value [W/m <sup>2</sup> K]	Light transmittance [%]	g value [%]	Soundproofing value Glass [dB]	$\psi$ value Stainless steel [W/m <sup>2</sup> K]	Burglary protection RC according to EN 1627	
[B-1-01] Standard 4-20-4-18-4	0.80	0.5	72	50	34	0.029	-	
[B-4-01] Protection P4A VSG 10-16-4-16-4	0.89	0.6	68	44	-	0.063	RC 2	
[B-5-01] Parapet glazing 6-16-6-14-8 VSG	0.92	0.6	67	44	-	0.067	RC 1	
[B-3-01] Soundproofing WS 42/39 8-16-4-14-6	0.92	0.6	70	47	39	0.067	-	
[B-3-02] Soundproofing WS 44/47 VSG 8-14-4-14-8 VSG	0.95	0.6	69	45	47	0.071	RC 1	



**Bronze [B0783]**

Left: External view - Bronze Antico - [AF-BR-AN]  
 Right: Internal view - Nut [NUS] - colourless [OF-1-01]



**Bronze [B0783]**

Left: External view - Bronze Ramato [AF-BR-RA]  
 Right: Internal view - special treatment [upon request]

▪ SILBER Bronze

The combination of wood and bronze makes for unlimited lifespan and an exclusive building culture. The impressive aesthetics of the Antico and Ramato ranges appeal to the imagination of every generation. Despite the natural surface, SILBER Bronze windows are very resistant, on the inside and the outside. Processing bronze requires precise craftsmanship. These windows are therefore a rarity.

- SILBER  
Passive

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Exclusive glass surfaces adorn the front of this house. But it also manages to combine styling with optimal heat insulation. SILBER surpasses the strict criteria for passive homes and, in doing so, extends the limits of what is possible.





### Heat protection glass-

Standard triple heat protection glass ( $U_g$  0.6) with warm edging stops the build up of condensation.

### Heat protection system

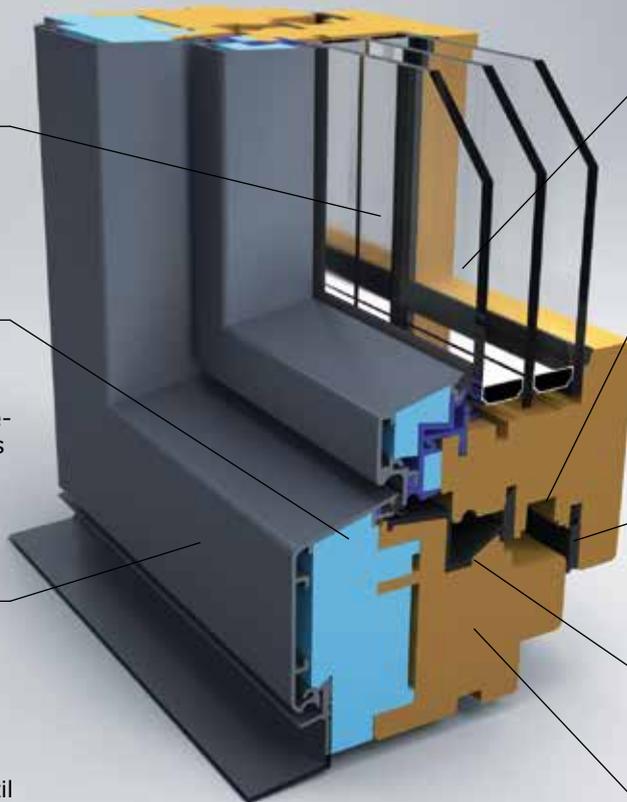
Our built-in patented heat insulation give you an outstanding  $U_f$  value of 0.88 and a  $U_w$  value of 0.71.

### The best protection

Back-ventilated aluminium facing shell for a maintenance-free surface. All frame corners stamped, screwed and glued with corner brackets (with the option to have them welded). Aluminium available in 2 constructions.

### Dummy door system

A patented mounting frame for new houses keeps your windows clean because the doors are not installed until after construction is over.



### Durability

The closed joints provide constructive wood protection.

### Perfectly fitted

Triple coated fittings with the highest level of corrosion-proofing and resistance, which are able to withstand up to 160 kg of weight. Hidden or visible.

### Sustainably airtight

3 high quality, durable and revolving silicone seals. Temperature resistant from -60 °C to +250°C. Even in the corners, the seal levels are consistent.

### PVC gutter

No thermal bridges. The gutter is easy to clean. Invisible draining through built-in PVC pipe.

### Different kinds of wood

Non-warp multi-layer adhesive window frames with a profile thickness of 110mm.

Passive construction	$U_f$ value [W/m <sup>2</sup> K]	Driving rain [class]	Air permeability [class]	Wind pressure [class]	Sound-proofing value $R_w$ [dB]			
Internally opening, wood/aluminium, tilt and turn windows 1230 x 1480 mm	0.88-0.90	9A *****	4 *****	B5 (C5) *****	35-43			
Glass construction	$U_w$ value [W/m <sup>2</sup> K]	$U_g$ value [W/m <sup>2</sup> K]	Light transmittance [%]	g value [%]	Sound-proofing value Glass [dB]	$\psi$ value Stainless steel [W/m <sup>2</sup> K]	Burglary protection RC according to EN 1627	
[S-1-03] Standard AR 0.6 4-16-4-16-4	0.74	0.6	72	50	34	0.024	-	
[S-1-05] ONE 0.5 4-16-4-16-4	0.71	0.5	58	37	34	0.024	-	
[S-4-01] Protection P4A VSG 10-14-4-12-4	0.83	0.7	68	44	-	0.032	RC 2	
[S-5-02] Parapet glazing 6-16-6-16-8 VSG	0.75	0.6	67	44	-	0.028	RC 1	



Passive [P0783]

Left: External view - Aluminium - DM03 [AF-DM-03]  
 Right: Internal view - Spruce [FIV] - colourless [OF-1-01]



Passive [P0783]

Left: External view - Aluminium - Sepia RAL 8014 [AF-8014M]  
 Right: Internal view - Oak [EIC] - colourless [OF-1-01]

▪ SILBER Passive

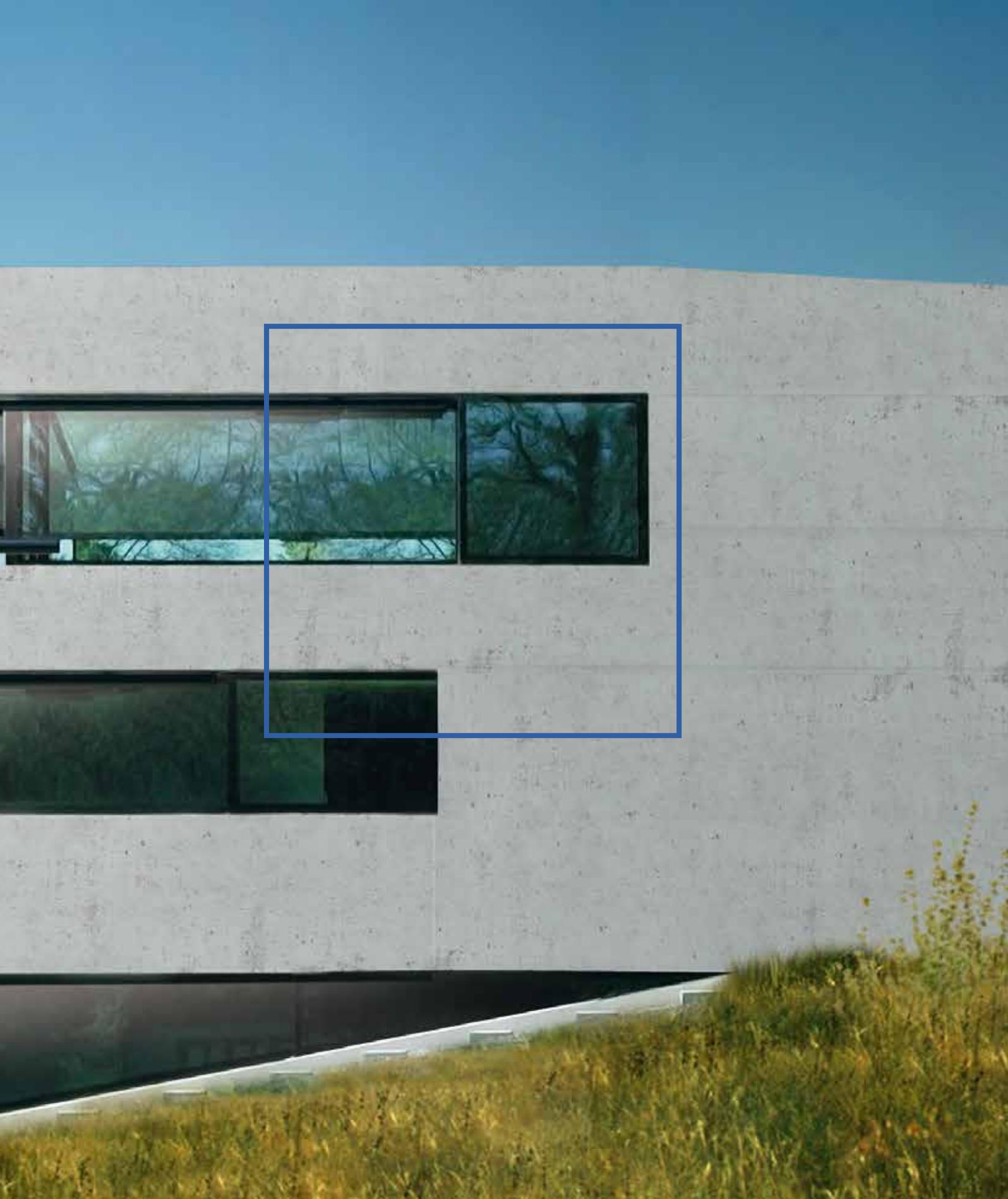
As a pioneer of energy efficient construction, SILBER took on the technical challenges early on and developed one of the first certified passive home windows. The company's many years of experience allow them to offer room for flexibility when designing passive home windows. With a selection from two profile groups for various stylistic directions, you can achieve harmonising visuals with a  $U_w$  value of 0.71.

▪ SILBER  
Wood/glass

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This avant-garde building in the Swiss Alps makes for a counterpoint to the surrounding nature. It plays with luxury and simplicity. SILBER Wood/glass, the genius in simplicity.





### Heat protection glass

Standard triple heat protection glass ( $U_g$  0.5) with warm edging stops the build up of condensation.

### Pure look

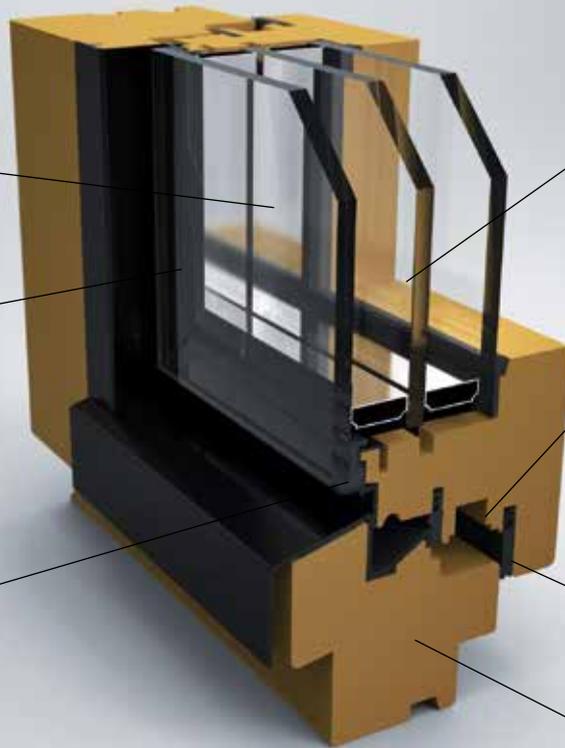
Casements overlaid with glass with a back-ventilated maintenance-free surface.

### The best glass workshop

All visible edges are polished. Three toughened ESG panes door. The outer stepped pulley cannot fall due to a uniquely developed profile.

### Dummy door system

A patented mounting frame for new houses keeps your windows clean because the doors are not installed until after construction is over.



### Durability

The closed joints provide constructive wood protection.

### Perfectly fitted

Triple coated fittings with the highest level of corrosion-proofing and resistance, which are able to withstand up to 160 kg of weight. Hidden or visible.

### Sustainably airtight

3 high quality, durable and revolving silicone seals. Temperature resistant from -60 °C to +250°C. Even in the corners, the seal levels are consistent.

### Different kinds of wood

Non-warp multi-layer adhesive window frames with a profile thickness of 78 mm.

Wood/Glass construction	$U_f$ value [W/m <sup>2</sup> K]	Driving rain [class]	Air permeability [class]	Wind pressure [class]	Sound-proofing value $R_w$ [dB]			
Internally opening, wooden, glass, easy tilt and turn windows 1230 x 1480 mm	1.19	9A *****	4 *****	B5 (C5) *****	35-43			
Glass construction	$U_w$ value [W/m <sup>2</sup> K]	$U_g$ value [W/m <sup>2</sup> K]	Light transmittance [%]	g value [%]	Sound-proofing value Glass [dB]	$\psi$ value Stainless steel [W/m <sup>2</sup> K]	Burglary protection RC according to EN 1627	
[G-7-53] Standard ESG 6-20- ESG 6-20- ESG 6	0.90	0.5	72	50	34	0.066	-	
[G-7-55] ESG 8-18- ESG 8-16- VSG 8	0.93	0.5	72	50	34	0.074	RC1	



**Wood/glass [A0783]**

Left: External view - Enamel - Ebony or similar RAL 9005 [EF-9005]  
 Right: Internal view - Oak [EIC]- Walnut [OF-1-06]



**Wood/glass [A0783]**

Left: External view - Enamel - Ebony or similar RAL 9005 [EF-9005]  
 Right: Internal view - Spruce [FIV] - colourless [OF-1-01]

▪ **SILBER Wood/glass**

SILBER Wood/glass really brings out the best in revolutionary architecture. This unique specimen of window construction is made from a combination of toughened, enamelled panes with polished glass edges and the most elegant timbers.

By replacing walls with glass panels, SILBER creates flexible wings and ground-breaking visuals.

## SILBER Reconstruction

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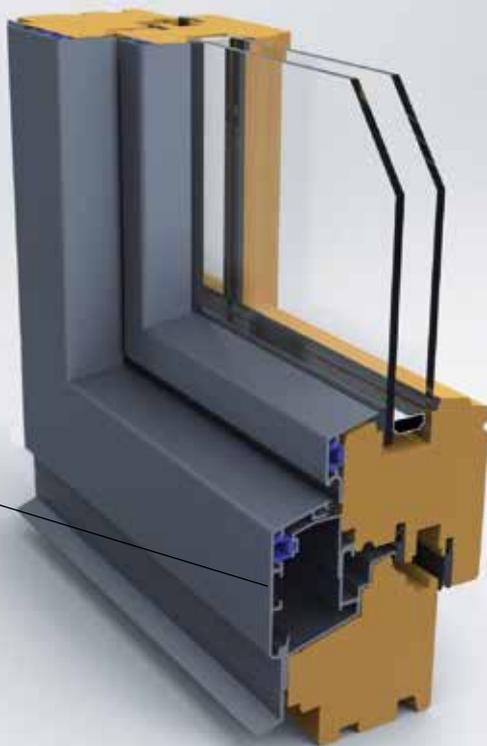
This old farm house on the shore of the Attersee is now a cosy home. During restoration, the windows were also renovated. To preserve the flair of the historical building and to avoid damaging the old walls, only aluminium shells with a wooden look adorn the house. The result is uncompromising loyalty to the original style and optimal insulation values.





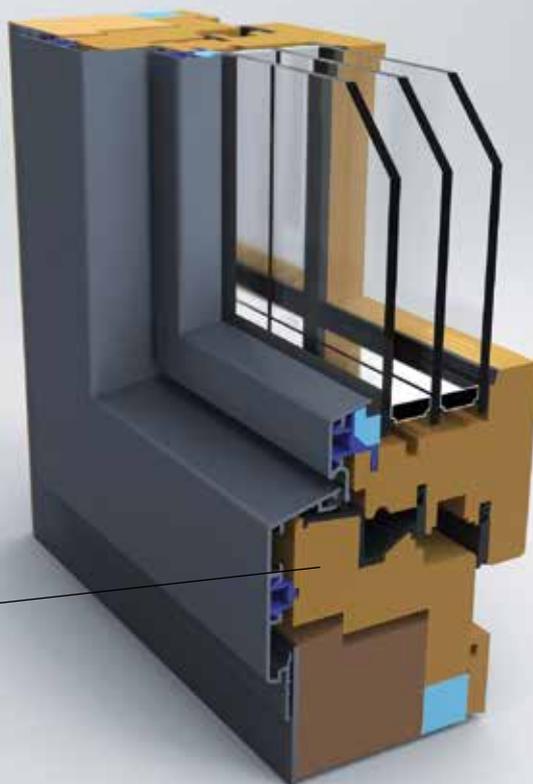
**Fenatherm**

Back-ventilated aluminium facing shell stamped and glued in the corners (and welded upon request). Available in 2 Profile constructions and suitable for all special shapes. Heating bills are reduced with an extra seal profile.



**Renolux**

SILBER window models can be adapted to existing window the door for all generations. Because this doesn't change the make up of the wall, there is no dirt or damage during installation.





Reconstruction  
 Left: External view  
 Right: Internal view

**Individual amendments**  
 to existing  
 window systems.

**Thick surfaces**  
 Aluminium profile for the  
 outdoor section.

**As the customer wants it**  
 Even for renovations,  
 there are no limits to  
 your individuality.

▪ SILBER Reconstruction

Whether you are renovating with Renolux or Fenatherm, the existing building will not be disturbed. This way, new windows will be made from old ones. Insulation values and lifespan increase enormously even though the individual style of the house is preserved. Save energy and protect the climate with minimal intervention with the renovation system from SILBER

- SILBER  
100mm windows

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This once ramshackle building is now a remarkable country home once more. During reconstruction an underground garage, a sauna, a swimming pool and a façade with marble banisters were installed. Thanks to the SILBER 2 winged 100 mm windows, this manor has been enhanced perfectly and it shines in all its former splendour.





### Heat protection glass

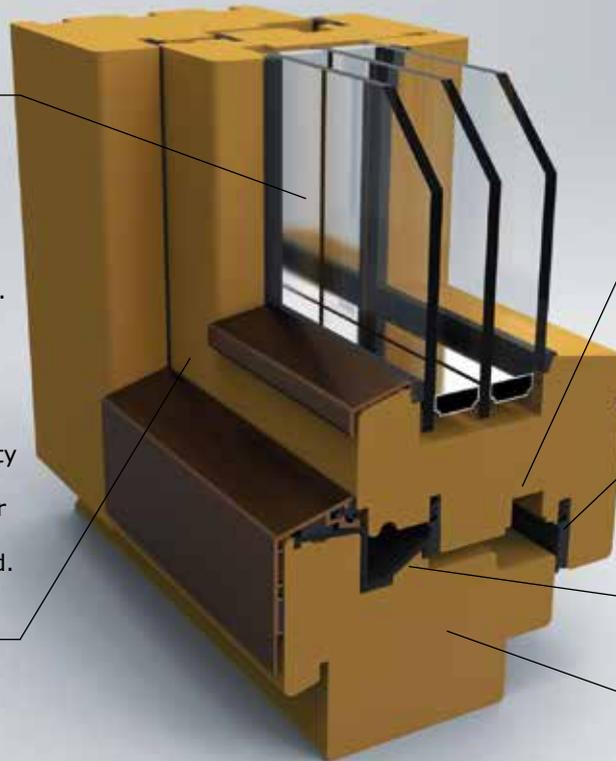
Standard triple heat protection glass ( $U_g$  0.5) with warm edging stops the build up of condensation.

### Durability

The closed joint provides constructive wood protection. The floor and wings are kept water-tight with a rain protection rail and an aluminium rain guard. Quadruple polishing guarantees a fine, high quality surface. The wood is coated with a thin layer of varnish or paint. The entire end grain surface is completely covered. This makes for durability and optimal resistance.

### Dummy door system

A patented mounting frame for new houses keeps your windows clean because the doors are not installed until after construction is over.



### Perfectly fitted

Triple coated fittings with the highest level of corrosion-proofing and resistance, which are able to withstand up to 160 kg of weight. Hidden or visible.

### Sustainably airtight

3 high quality, durable and revolving silicone seals. Temperature resistant from -60 °C to +250°C. Even in the corners, the seal levels are consistent.

### PVC gutter

No thermal bridges. The gutter is easy to clean. Invisible draining through built-in PVC pipe.

### Different kinds of wood

Non-warp multi-layer adhesive window frames.

100mm wood construction	$U_f$ value [W/m <sup>2</sup> K]	Driving rain [class]	Air permeability [class]	Wind pressure [class]	Sound-proofing value $R_w$ [dB]			
Inwardly opening, wooden, simple tilt and turn windows 1230 x 1480 mm	0.96-0.98	9A *****	4 *****	B5 (C5) *****	35-43			
Glass construction	$U_w$ value [W/m <sup>2</sup> K]	$U_g$ value [W/m <sup>2</sup> K]	Light transmittance [%]	g value [%]	Sound-proofing value Glass [dB]	$\psi$ value Stainless steel [W/m <sup>2</sup> K]	Burglary protection RC according to EN 1627	
[G-1-05] Standard 4-18-4-18-4	0.74	0.5	72	50	34	0.029	-	
[G-4-01] Protection P4A VSG 10-14-4-12-4	0.93	0.7	68	44	-	0.065	RC 2	
[G-5-02] Parapet glazing 6-16-6-16-8 VSG	0.86	0.6	67	44	-	0.066	RC 1	
[G-3-01] Soundproofing WS 42/39 8-12-4-14-6	0.97	0.7	70	47	39	0.067	-	
[G-3-02] Soundproofing WS 44/47 VSG 8-12-4-12-8 VSG	0.97	0.7	69	45	47	0.070	RC 1	

### Heat protection glass

Standard triple heat protection glass ( $U_g$  0.5) with warm edging stops the build up of condensation.

### The best protection

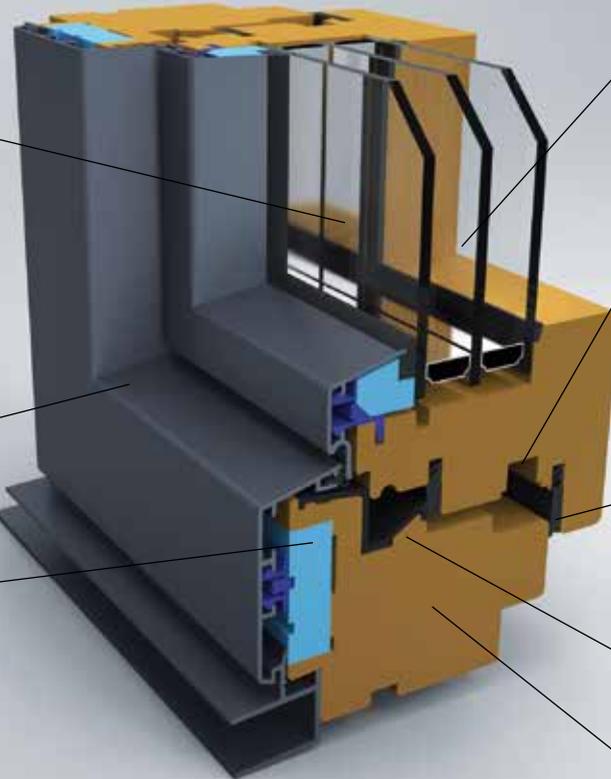
Back-ventilated aluminium facing shell for a maintenance-free surface. All frame corners stamped, screwed and glued with corner brackets (with the option to have them welded). Aluminium available in 2 constructions.

### Heat protection system

Our built-in patented heat insulation gives the windows the best  $U_f$  value of 0.83.

### Dummy door system

A patented mounting frame for new houses keeps your windows clean because the doors are not installed until after construction is over.



### Durability

The closed joints provide constructive wood protection.

### Perfectly fitted

Triple coated fittings with the highest level of corrosion-proofing and resistance, which are able to withstand up to 160 kg of weight. Hidden or visible.

### Sustainably airtight

3 high quality, durable and revolving silicone seals. Temperature resistant from -60 °C to +250°C. Even in the corners, the seal levels are consistent.

### PVC gutter

No thermal bridges. The gutter is easy to clean. Invisible draining through built-in PVC pipe.

### Different kinds of wood

Non-warp multi-layer adhesive window frames.

100mm Wood/aluminium construction	$U_f$ value [W/m <sup>2</sup> K]	Driving rain [class]	Air permeability [class]	Wind pressure [class]	Sound-proofing value $R_w$ [dB]			
Internally opening, wood aluminium, tilt and turn windows 1230 x 1480 mm	0.83-0.84	9A *****	4 *****	B5 (C5) *****	35-43			
Glass construction	$U_w$ value [W/m <sup>2</sup> K]	$U_g$ value [W/m <sup>2</sup> K]	Light transmittance [%]	g value [%]	Sound-proofing value Glass [dB]	$\psi$ value Stainless steel [W/m <sup>2</sup> K]	Burglary protection RC according to EN 1627	
[G-1-05] Standard 4-18-4-18-4	0.70	0.5	72	50	34	0.029	-	
[G-4-01] Protection P4A VSG 10-14-4-12-4	0.90	0.7	68	44	-	0.068	RC 2	
[G-5-02] Parapet glazing 6-16-6-16-8 VSG	0.82	0.6	67	44	-	0.067	RC 1	
[G-3-01] Soundproofing WS 42/39 8-12-4-14-6	0.92	0.7	70	47	39	0.069	-	
[G-3-02] Soundproofing WS 44/47 VSG 8-12-4-12-8 VSG	0.93	0.7	69	45	47	0.072	RC 1	



- SILBER  
Special Shapes

---

This country house has been in the possession of the aristocracy since it was built in 1917. It served mostly as a place that people could go to relax at the weekend, away from the hustle and bustle of urban life. During recent renovation work, old photographs were referred to. The complex construction of the Napoleon arcs show the advantages of SILBER's construction process, which works closely with craftsmen.







Special windows

Left: External view - Aluminium - Teak 1 [AF-TE-1S]  
Right: Internal view - Larch [LAR]- Oak [OF-1-08]



Special windows

External view - Aluminium - Traffic white RAL 9016 [AF-9016M]



### Special windows

External view - Aluminium - HFM22HWF [AF-HFM22]



### Special windows

Internal view - Nut [NUS] - colourless [OF-1-01]

#### ▪ SILBER Special Shapes

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SILBER can construct wood and aluminium in any shape you could possibly think of. Single winged, double winged and several winged windows with turning, tilting or oscillating mechanisms are available.

Custom-made profiles make the window not just into an individual shape but into a visual work of art. That's why the aluminum is shaped in our own workshop and the wood is given its individual shape through a combination of modern CNC techniques and painstaking handicraft.

- SILBER  
French windows

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This building's architecture is begging for its living room to be connected to its veranda.

With SILBER French windows, a stylistic unity with the building is achieved.

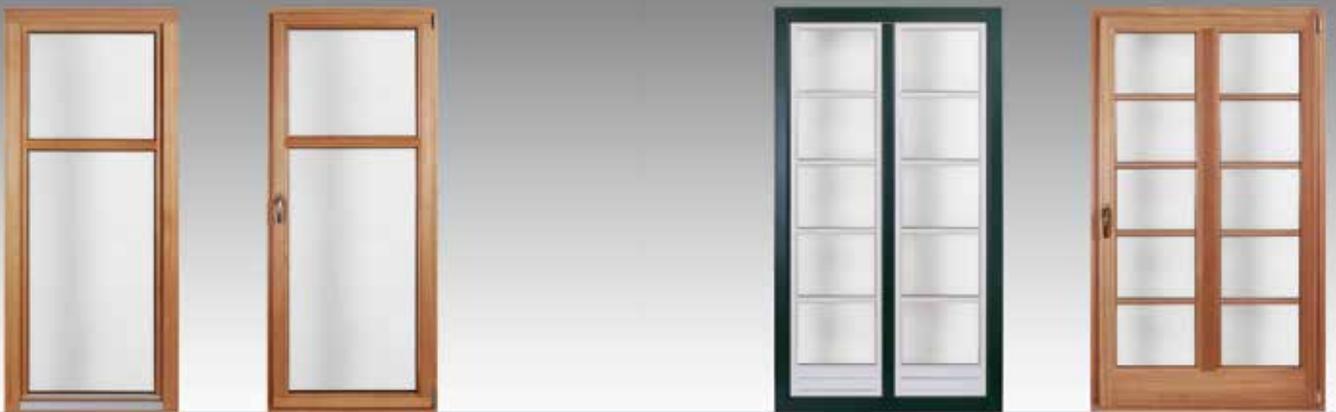
The closed 2 winged terrace doors with rails and skylights fit perfectly into the overall look of the manor house.







French windows:  
 Wooden/aluminium Classic 2 wing [S0783]  
 Left: External view - Aluminium - HFM22HWF [AF-HFM22]  
 Right: Internal view - Spruce [FIV] - colourless [OF-1-01]

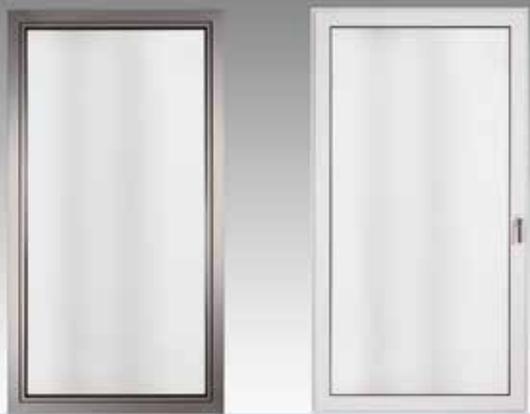


Natural wooden French windows 1 wing. [N1783]  
 Left: External view - Larch [LAR] - oiled [OF-1-10]  
 Right: Internal view - Larch [LAR] - oiled [OF-1-10]

French windows:  
 Wooden/aluminium Classic 1 wing [S0783]  
 Left: External view - Aluminium - Moss green [AF-6005M]  
 + Traffic white [AF-9016M]  
 Right: Internal view - Larch [LAR] - colourless [OF-1-10]



French windows: Wooden/aluminium Classic 1wing [S0783]  
 Left: External view - Aluminium - HFM22HWF [AF-HFM22]  
 Right: Internal view - Spruce [FIV] - colourless [OF-1-01]



French windows: Wooden/aluminium Modern 1 wing [FLB0783]  
 Left: External view - Aluminium - A6-C0 [AF-A6-C0]  
 Right: Internal view - Spruce [FIV] - RAL 9010 [OF-5-50]

▪ SILBER French windows

SILBER French windows are available in all styles, constructions and materials. In single and double winged variations, lockable from the inside and outside, you can find a counterpart to any window. Extended with burglary protection, glass railings and optional flat door sills, the usual variety from the full SILBER range is offered here.

- **SILBER**  
Sliding doors

SILBER's smooth sliding doors open this exclusive pool house in all four directions.

During the summer it becomes an outdoor pool. When closed, it offers a feel good oasis in nature with its heating, sauna and fitness room.





### The best protection

Powder-coated aluminium facing shell for a maintenance-free surface. Available in different colours or wooden decorations.

### Heat protection glass

Standard triple heat protection glass ( $U_g$  0.6) with warm edges prevents the build up of condensation.

### Variety and Design

Through the installation of a multi-base with vertical and horizontal window grids in 3 different styles the sliding doors are adaptable to the style of each individual house.

### Durability

The closed joint provides constructive wood protection.

Quadruple polishing guarantees a fine, high quality surface. The wood is coated with a thin layer of varnish or paint.

The whole end grain wooden surface is completely covered.

This makes for durability and optimal resistance.

### Ease of movement

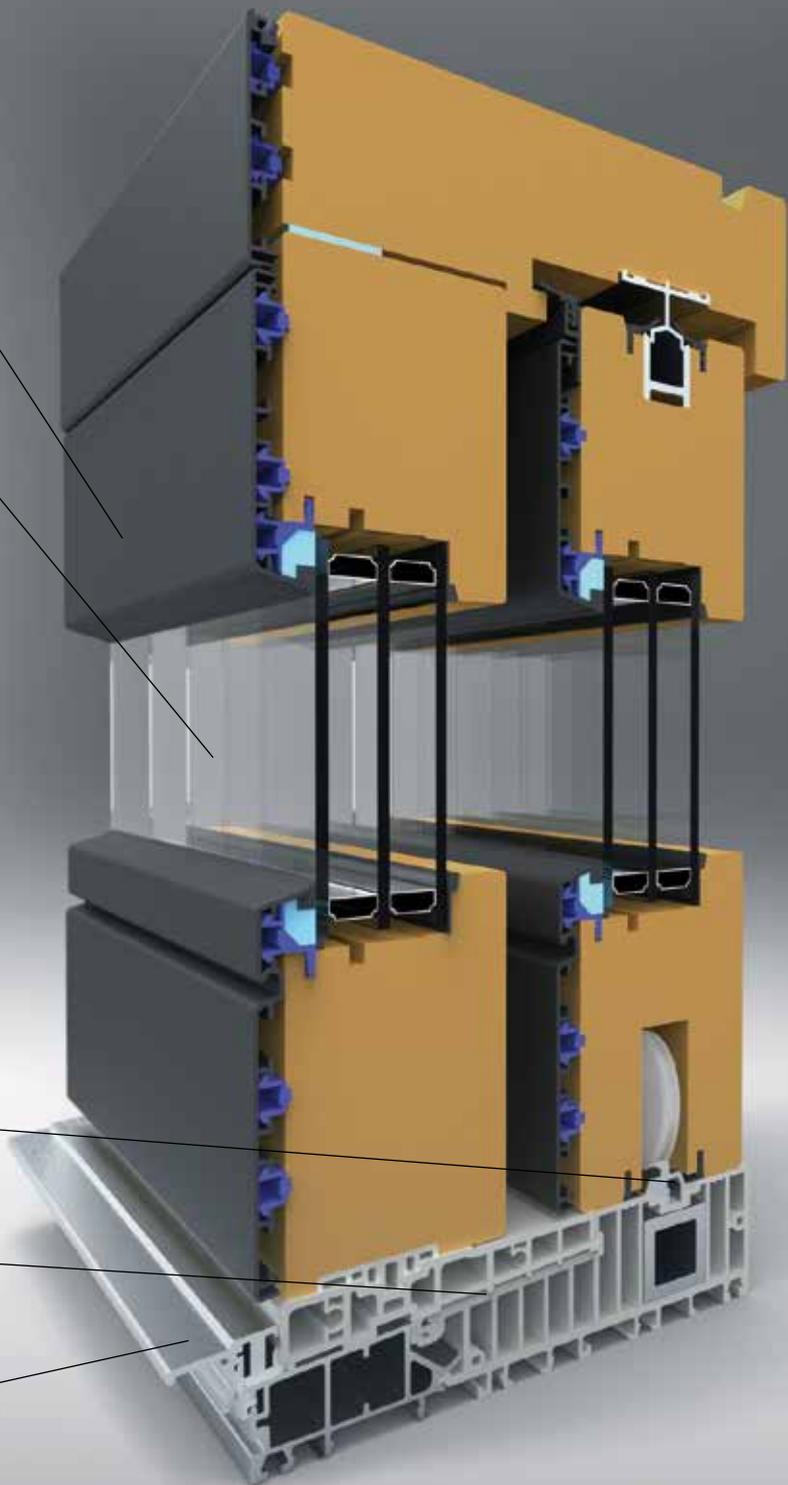
A stable rail 15 mm high (sliding). If you wish, it can also be installed at 5 mm for full accessibility.

### Heat protection system

To save on heating bills, the floor rail is thermally separated and the edge is insulated.

### Flexibility

More flexibility to allow the installation of an extra profile and a low floor recess.



### Heat protection glass

Standard triple heat protection glass ( $U_g$  0.6) with warm edging stops the build up of condensation.

### Frameless view

Glass panels almost completely without frames. make this system an essential of modern architecture.

### The best protection

Powder-coated aluminium facing shell for a maintenance-free surface. Available in different colours or wooden decorations.

### Durability

The closed joint provides constructive wood protection. Quadruple polishing guarantees a fine, high quality surface. The wood is coated with a thin layer of varnish or paint. The whole end grain wooden surface is completely covered. This makes for durability and optimal resistance.

### Ease of movement

A stable rail 15 mm high (sliding). If you wish, it can also be installed at 5 mm for full accessibility.

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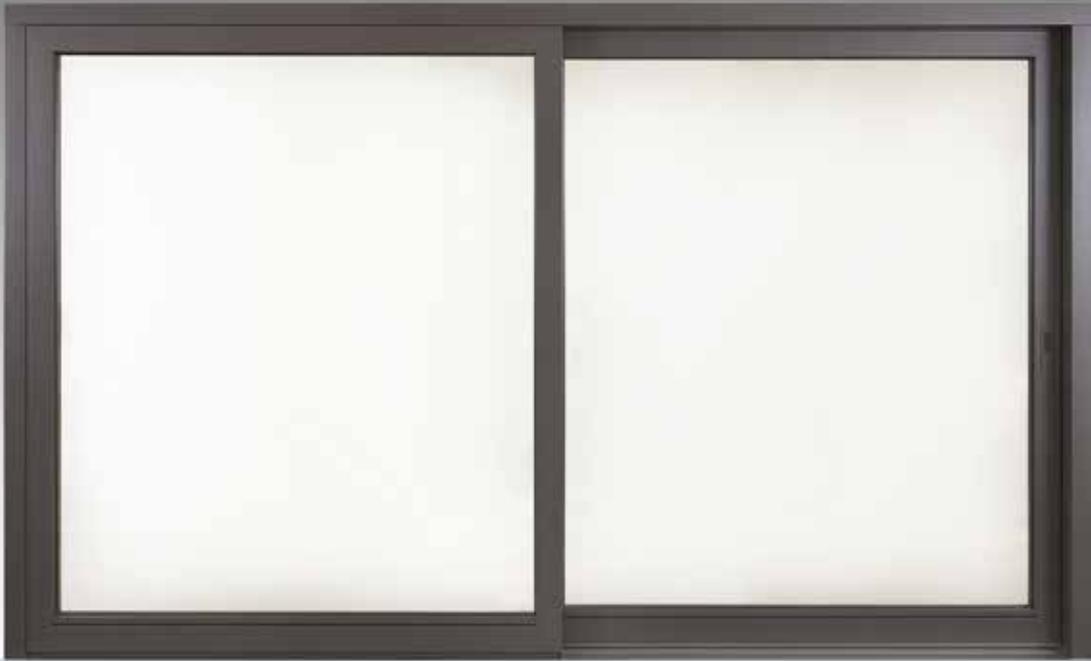




Sliding doors:  
Wooden/aluminium Classic [S0783]  
External view - Aluminium - Traffic white RAL 9016 [AF-9016M]



Sliding doors: Wooden/aluminium Classic [S0783]  
Internal view - Spruce [FIV]- RAL 9010 [OF-5-50]



Sliding doors: Wooden/aluminium Classic [S0783]  
External view - Aluminium - DM02 [AF-DM-02]

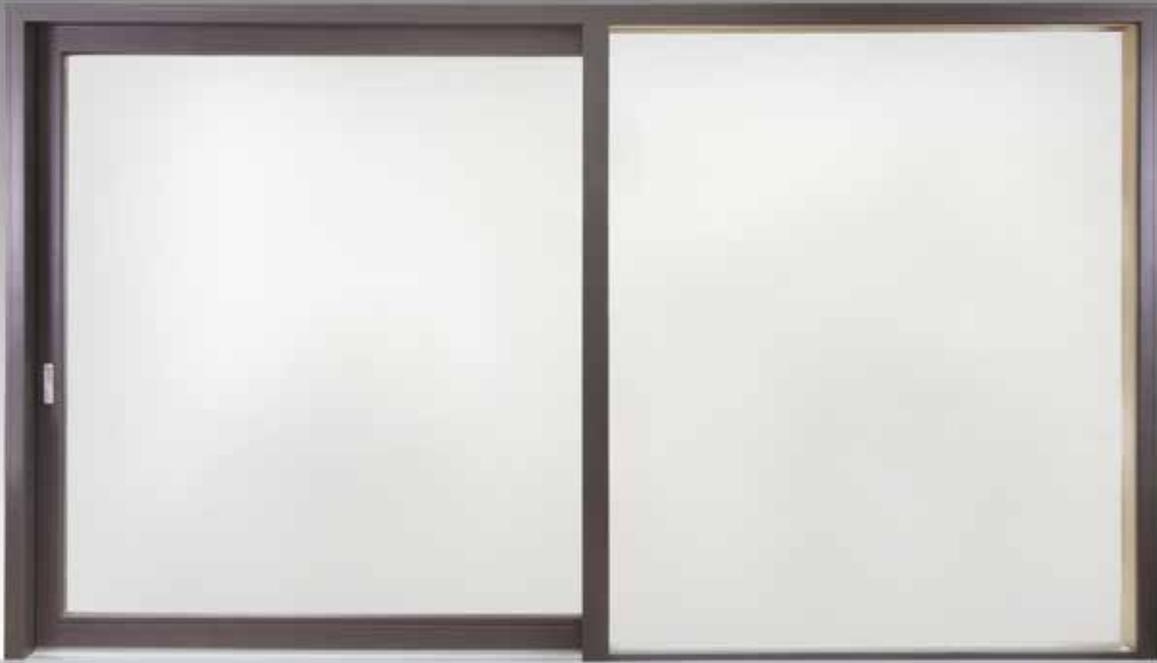


Sliding doors: Wooden/aluminium Classic [S0783]  
Internal view - Spruce [FIV] - colourless [OF-1-01]

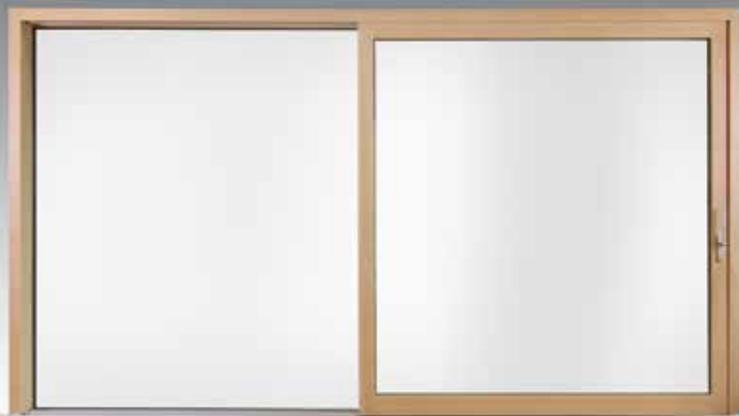
#### ▪ SILBER Sliding doors

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The ability to make huge glass panes with few handles disappear in a modern push system gives you a direct connection to nature. This room expansion is combined with the various material and construction shape options. That way an individual product is created with a guaranteed durable smoothness through precise construction.



Sliding doors: Wooden/aluminium Classic frameless [S0783]  
External view - Aluminium - DM03 [AF-DM-03]



Sliding doors: Wooden/aluminium Classic frameless [S0783]  
Internal view - Spruce [FIV] - colourless [OF-1-01]



Sliding doors: Wooden/aluminium Classic [S0783]  
External view - Aluminium - Teak 1 [AF-TE-1S]



Sliding doors: Wooden/aluminium Classic [S0783]  
Internal view - Oak [EIC]- Larch [OF-1-04]

▪ Types of wood



▪ Wood colours (opaque)



▪ Surface structure and special oils



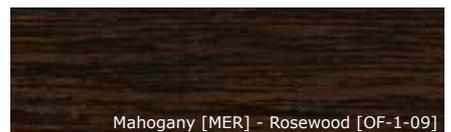
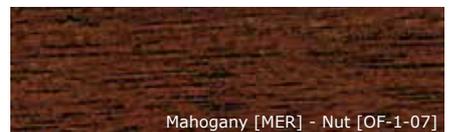
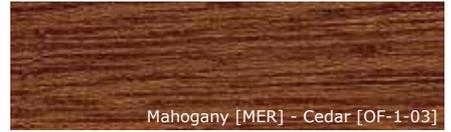
▪ Wood colours Spruce (glazing)



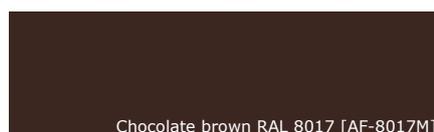
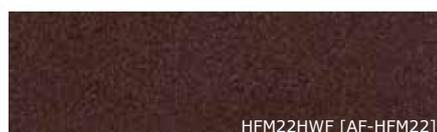
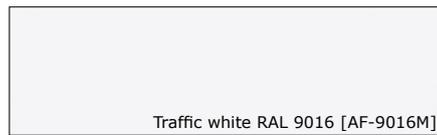
- Wood colours  
Spruce (glazing)

- Wood colours  
Oak (glazing)

- Wood colours  
Mahogany (glazing)



▪ Aluminium colours



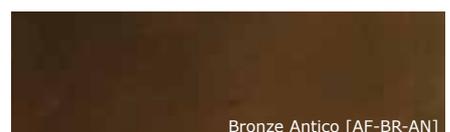
▪ Anodic colours



▪ Decorations



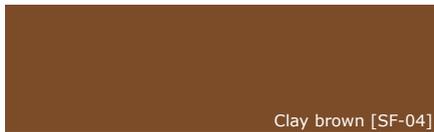
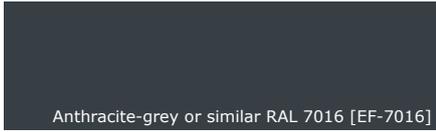
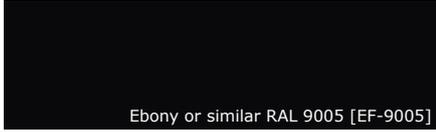
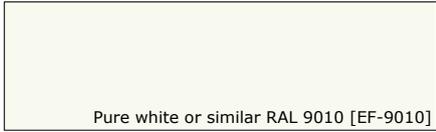
▪ Bronze



▪ Enamel colours

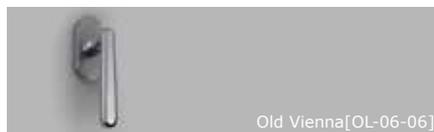
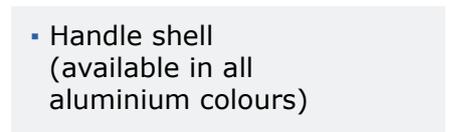
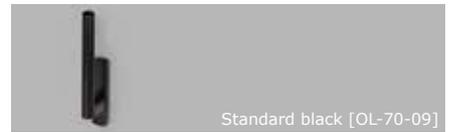
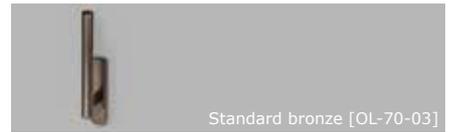
▪ Silicone colours

▪ Ornamental glass

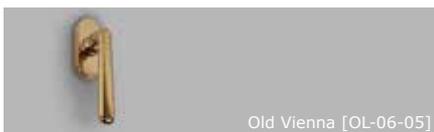


▪ Handles

▪ Handle for sliding doors

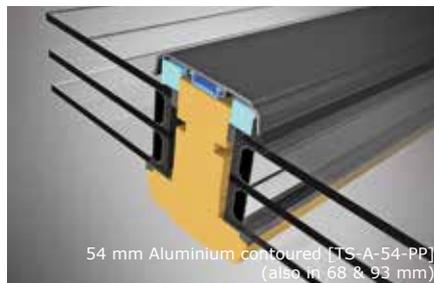
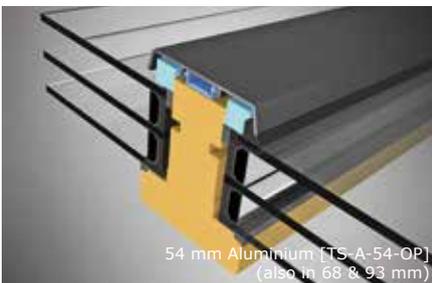
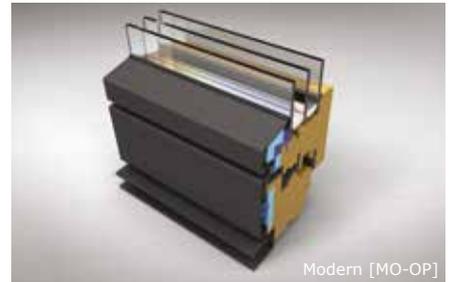
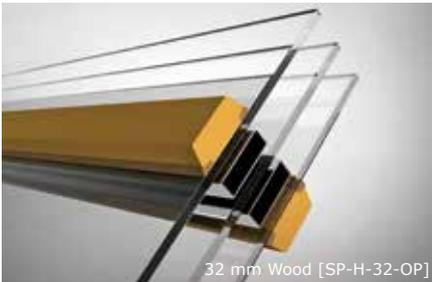
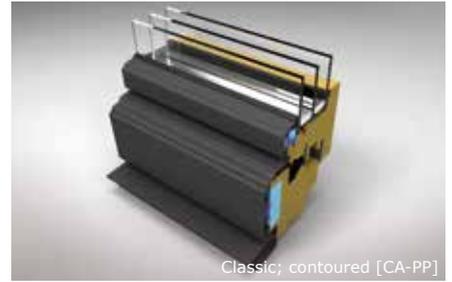
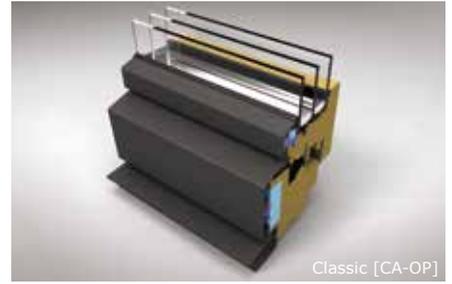
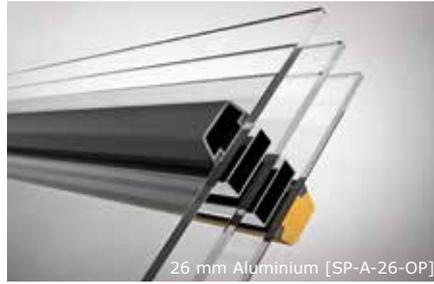
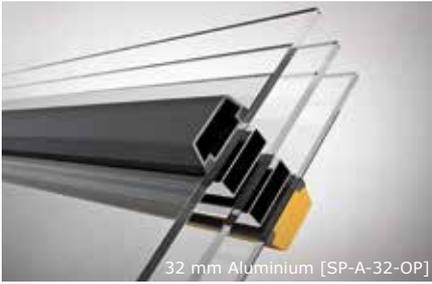


▪ Handle shell  
(available in all  
aluminium colours)

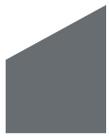


▪ Adhesive window grids & T grids

▪ Profiles



▪ Window shapes



Sliding on one side [FO-02]



Clipped corner [FO-03]



Sliding on both sides [FO-04]



Triangle [FO-05]



Segmental arch [FO-06]



Round arch [FO-07]



Circle segment [FO-08]



Basket arch [FO-09]



Napoleon design [FO-10]



Rectangle [FO-11]



Arch [FO-12]



Circle [FO-13]



Segmental arch in the wing [FO-14]

▪ Construction variants for sliding doors



Schema A rising to the right [TY-08-01]



Schema G rising to the right [TY-08-30]



Schema C [TY-08-10]



Schema K [TY-08-40]

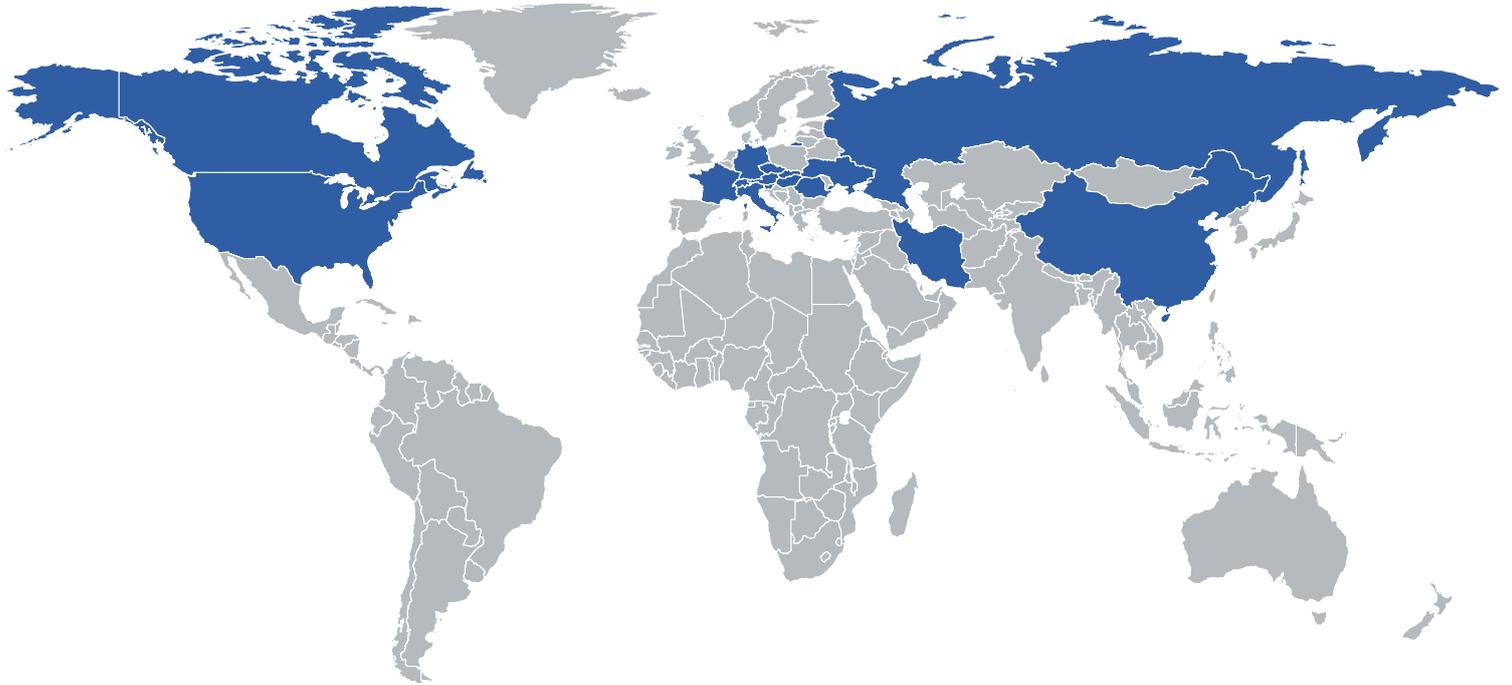


Schema E rising to the right [TY-08-20]



Schema L [TY-08-70]





▪ Happy customers  
all around the world

SILBER Fensterbau GmbH are internationally known for their precision. When it comes to projects with extraordinarily high technical requirements, regions where craftsmanship is a core principle in the culture lead the way. In the case of windows, that place is Mistelbach. SILBER Fensterbau GmbH is are known around the world for precisely meeting even the most unusual demands. Where security, resistance, the highest level of quality and individual shapes are the order of the day, it doesn't take long until a SILBER window is right there where you need it. This is the company's goal: aesthetics and durability combined in one product.



CE symbol



## ▪ Disclaimer

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