

# W I N D O W

# The best of two worlds!

.....  
Swedish manufactured timber/aluminium composite windows

2016:1



**LEIAB**  
W I N D O W

# Naturally warm on one side...

LEIAB is one of the market leaders in manufacturing bespoke composite timber/aluminium windows. We offer inward-opening windows, windows with tilt/turn features, balcony, window-doors and sliding doors. Our speciality is, however, the inwards opening window. The inner wood surface of the LEIAB window gives your home a warm and cosy atmosphere that you will not get with other materials.

## THE TIMBER

High quality pine with dense annual growth rings ensures excellent finishing results. The inner wood can be manufactured in other wood species and to your choice of colours or stains.

## THE PROFILES

The window interior can be provided with either a flat profile, a wing profile, or in a rustic style all according to your choice.

## INWARD OPENING WINDOWS, FIXED LIGHTS, BALCONY, WINDOW DOORS

The inward opening window system provides for easy cleaning and a maintenance strategy that can be carried out from the safety of the room interior. You can also choose between inward or outwards opening window doors.

## DIMENSIONS

We manufacture your bespoke window requirements down to the millimetre in accordance with your specifications. This ensures faster and easier fitting of the windows.

## 2+1 CONSTRUCTION OR TRIPLE GLAZED

Choose between the low u-value and the high sound reduction performance of the coupled 2+1 window or the triple glazed window that require cleaning on only two sides of the panes.

## THE TILT/TURN FUNCTION

If you choose a window with the tilt/turn functionality, you get the combination of a comfortable ventilation mode while still maintaining a high level of security.

## OPTIONS – GLASS, TRICKLE VENTS, HANDLES, BLINDS

We can offer windows with either our standard LE glazing, argon gas, or any other type of specified glazing. We can offer different types of trickle-vents, handles or blinds to meet your specifications.





## ...Durable by design on the other!

The outer lining of the window is a robust yet tasteful aluminium construction with a drainage design that completely eliminates the risk of the window being attacked by rot. The appealing profiling of the aluminium and the low maintenance need of this material provides you with a minimal life cycle cost for the window. The large aluminium portion provides stability, which means that the windows are very easy to mount/assemble and the need for post-fitting adjustments is minimal. These are quality windows that keep out the cold and unwanted noises. The outwards opening balcony doors are robust and have decorated hinges. Our four window models are also available with a choice of three outer sash profiles. They come with or without sash-bars – all in the size and colour of your choice. There is always a suitable LEIAB window available!

### **PAGE 4 – STIL**

Stil is the model that has been with us from the beginning. Never going out of fashion, the design features of Stil are characterised by a smooth outer lining, where the frames, sashes and the glass are of the same style.

### **PAGE 6 – HAGA**

One pen stroke makes the differences between the Haga and Stil. The result is an increased frame depth of 5 millimetres. A little more subtle in its design than Stil.

### **PAGE 8 – EPOK**

Both timeless and robust, the appealing frame gives an early eighteenth century feel to this model.

### **PAGE 10 – VING**

Named after the wing shaped profile on the outer section of the frame – without a doubt a model that will make an impression!

### **PAGE 12 – ACCESSORIES**

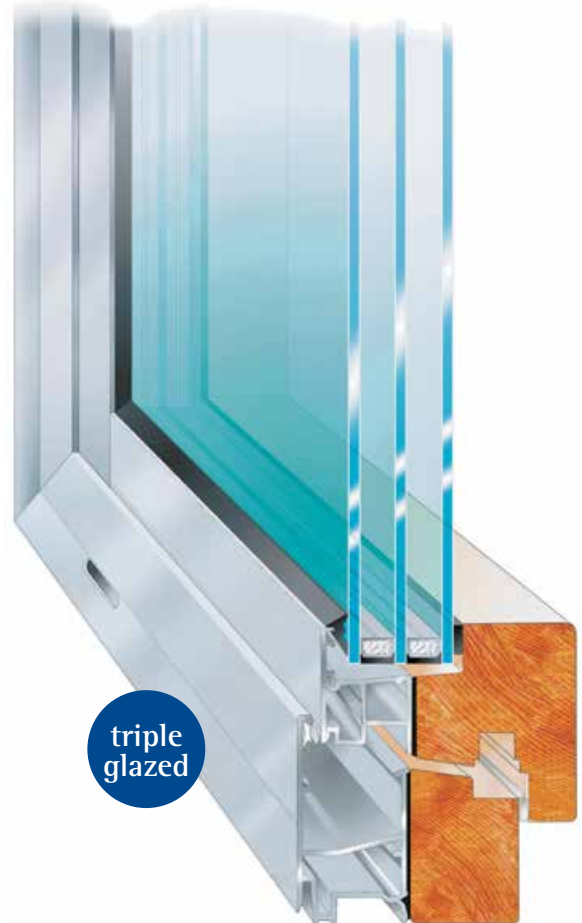
Each model comes with a wide range of accessories.

### **PAGE 14 – LEIAB THE COMPANY**

LEIAB is one of the market leaders in wood framed aluminium windows.

## ■ As popular now as always

Stil is the model that never goes out of fashion and has been our original model from the beginning. Characterised by a smooth outer lining, where the frames, sashes and the glass harmonise. Its sleek and smooth design goes well with the contemporary look, and regardless to the outcome of future architectural designs, Stil will always be just as stylish today as it was yesterday.



Temple Quay, Bristol



10 East Road, London



Barking Building, London



## Side-hung or tilt & turn options



FRAME THICKNESS 95 (mm)	2+1	triple glazed
Sound reduction (dB)	R <sub>w</sub> 41-49	R <sub>w</sub> 35-39
U-value (W/m <sup>2</sup> K)	0,9-1,2	1,0-1,5
Inner / outer sash	Option	Option
Decoration / colour	Option	Option
Accessories	Option	Option
Opening	Inward	Inward

## Fixed



FRAME THICKNESS 95 (mm)	2+1	triple glazed
Sound reduction (dB)	-	R <sub>w</sub> 33-46
U-value (W/m <sup>2</sup> K)	-	0,9-1,5
Inner / outer sash	-	-
Decoration / colour	-	Option
Accessories	-	Option
Opening	-	-

## Balcony doors

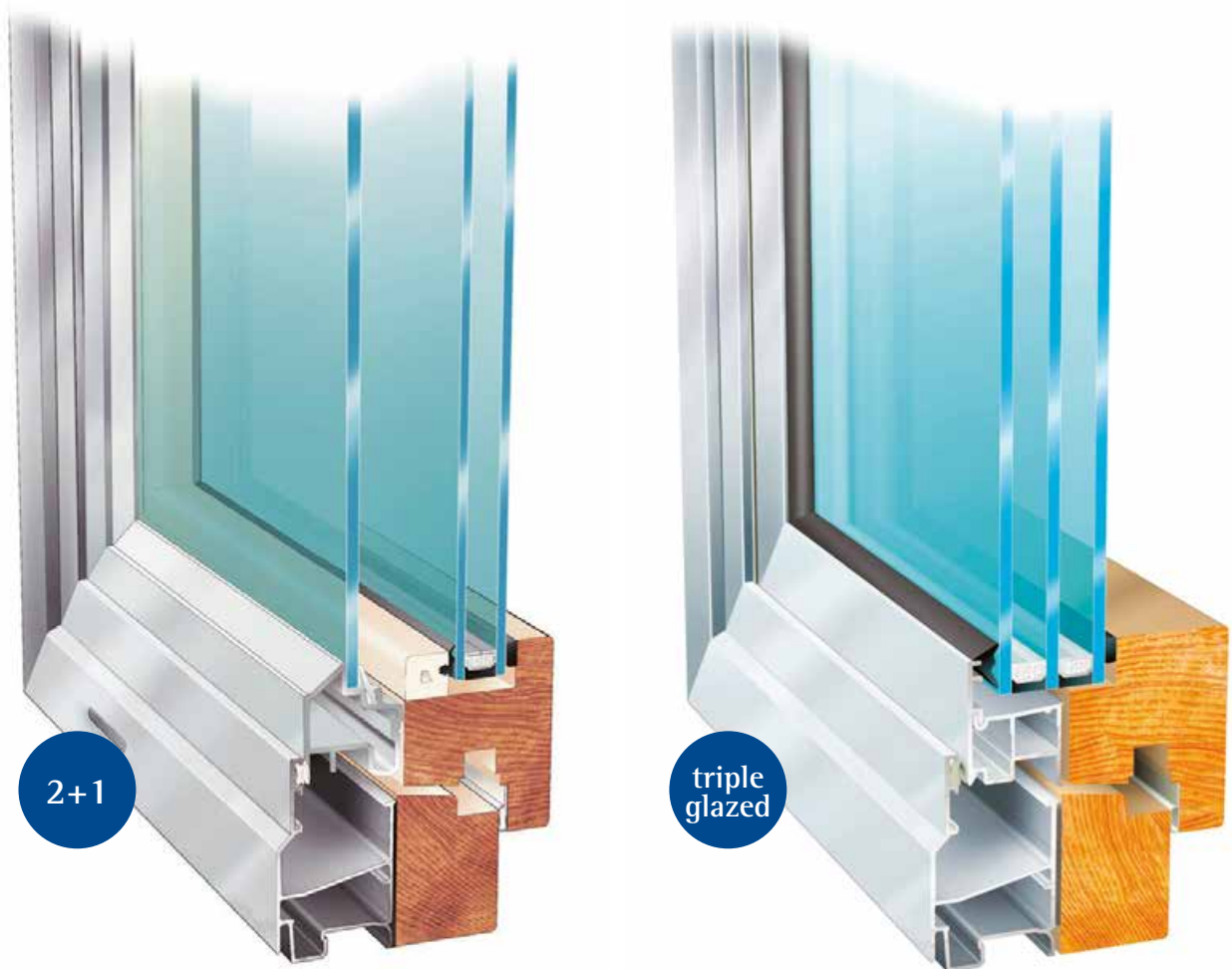


FRAME THICKNESS 95 (mm)	2+1	triple glazed
Sound reduction (dB)	R <sub>w</sub> 38-45	R <sub>w</sub> 33-39
U-value (W/m <sup>2</sup> K)	0,9-1,4	1,0-1,4
Inner / outer sash	Option	Option
Decoration / colour	Option	Option
Accessories	Option	Option
Opening	Inward/outward	Inward/outward

The values are dependent upon the frame thickness and glazing specification

## ■ One pen stroke changed everything

Somewhat softer in its design than Stil, the difference between the two models is a single pen stroke in the design drawing, leading to an increased depth of frame of 5 millimetres. The small “step” on the outside of the frame had a large impact on the appearance of the window, as the resulting layers lead to a shadow creation with more life and movement. This modern touch appeals to many architects. With its softer approach and modern feel, Haga is the natural choice of many for any kind of new construction.





### Side-hung or tilt & turn options



FRAME THICKNESS 100 (mm)	2+1	triple glazed
Sound reduction (dB)	R <sub>w</sub> 41-48	R <sub>w</sub> 35-39
U-value (W/m²K)	0,9-1,2	1,0-1,5
Inner / outer sash	Option	Option
Decoration / colour	Option	Option
Accessories	Option	Option
Opening	Inward	Inward

### Fixed



FRAME THICKNESS 100 (mm)	2+1	triple glazed
Sound reduction (dB)	-	R <sub>w</sub> 33-46
U-value (W/m²K)	-	0,9-1,5
Inner / outer sash	-	-
Decoration / colour	-	Option
Accessories	-	Option
Opening	-	-

### Balcony doors



FRAME THICKNESS 100 (mm)	2+1	triple glazed
Sound reduction (dB)	R <sub>w</sub> 38-45	R <sub>w</sub> 33-39
U-value (W/m²K)	0,9-1,4	1,0-1,4
Inner / outer sash	Option	Option
Decoration / colour	Option	Option
Accessories	Option	Option
Opening	Inward/outward	Inward/outward

The values are dependent upon the frame thickness and glazing specification

## ■ A delight to look at

Epok is timeless and robust, the appealing frame gives an early eighteenth century feel to this model. Appealing to many with its soft lines, it is a delight to look at – especially when fitted with sash-bars. Even if Epok represents a traditional, more rustic style, it also fits in well in more modern settings where the contrast between the traditional and the new is both exciting and appealing.







## Side-hung or tilt & turn options



FRAME THICKNESS 127 (mm)	2+1	triple glazed
Sound reduction (dB)	R <sub>w</sub> 41-43	R <sub>w</sub> 35-39
U-value (W/m <sup>2</sup> K)	1,0-1,2	1,0-1,3
Inner / outer sash	Option	Option
Decoration / colour	Option	Option
Accessories	Option	Option
Opening	Inward	Inward

## Fixed



FRAME THICKNESS 127 (mm)	2+1	triple glazed
Sound reduction (dB)	-	R <sub>w</sub> 33-39
U-value (W/m <sup>2</sup> K)	-	1,0-1,3
Inner / outer sash	-	-
Decoration / colour	-	Option
Accessories	-	Option
Opening	-	-

## Balcony doors



FRAME THICKNESS 127 (mm)	2+1	triple glazed
Sound reduction (dB)	R <sub>w</sub> 38-44	R <sub>w</sub> 33-39
U-value (W/m <sup>2</sup> K)	1,0-1,4	1,0-1,5
Inner / outer sash	Option	Option
Decoration / colour	Option	Option
Accessories	Option	Option
Opening	Inward/outward	Inward/outward

The values are dependent upon the frame thickness and glazing specification

## ■ Frame profile that stands out

Named after the wing shaped profile on the outside of the frame – without a doubt a model that will make an impression! Another characteristic for this model is the five millimetre sharp crease at a 90-degree angle on the inner and outer sides of the frame creating a lively shadow-play and a modern look. Quite often this is the clear choice of architects in search for a frame profile with an edge. Just as suited in a remodelled house from the 30's as in a modern office building. A frame profile designed to make an impression.





Lundebjerg, Skovlunde, Danmark

### Side-hung or tilt & turn options



FRAME THICKNESS 85 (mm)	2+1	triple glazed
Sound reduction (dB)	R <sub>w</sub> 41-44	R <sub>w</sub> 34-38
U-value (W/m²K)	1,0-1,2	1,2-1,5
Inner / outer sash	Option	Option
Decoration / colour	Option	Option
Accessories	Option	Option
Opening	Inward	Inward

### Fixed



FRAME THICKNESS 85 (mm)	2+1	triple glazed
Sound reduction (dB)	-	R <sub>w</sub> 33-37
U-value (W/m²K)	-	1,2-1,5
Inner / outer sash	-	-
Decoration / colour	-	Option
Accessories	-	Option
Opening	-	-

### Balcony doors



FRAME THICKNESS 85 (mm)	2+1	triple glazed
Sound reduction (dB)	R <sub>w</sub> 41-44	R <sub>w</sub> 34-38
U-value (W/m²K)	1,0-1,3	1,2-1,5
Inner / outer sash	Option	Option
Decoration / colour	Option	Option
Accessories	Option	Option
Opening	Inward	Inward

The values are dependent upon the frame thickness and glazing specification

## ■ Tilt-turn windows



A – Closed position.



B – Tilt position.



C – Side opening.

### 8 important benefits

#### 1. PURGE VENTILATION

A tilt-turn window can be opened fully in the side-hung position that provides the possibility of airing out quickly.

#### 2. COMFORTABLE VENTILATION

A tilt-turn window allows ventilation at the head and with a maintained level of security from intrusion – a desirable night feature.

#### 3. MAINTENANCE

Through the design of the fittings, the need for maintenance is minimal. A few drops of oil once a year is all that is needed. The window's sealing can be adjusted with a single rotation all from the safety of the room's interior.

#### 4. CLEANING

Easily and comfortably from within the room – no need for ladders or climbing.

#### 5. EGRESS

This allows the window to be opened completely enabling emergency evacuation.

#### 6. BURGLARY

For additional safety, the window fittings can have enhanced ironmongery in the frame as well as enhanced glazing.

#### 7. MANOEUVRABILITY

When the handle is turned to any one of the three standard settings, the window will react accordingly.

#### 8. QUALITY

A tilt-turn window is watertight! Few other type of fittings will provide a tighter sealed window. Heat, cold and noise will stay where they belong – on the outside.



## ■ Glass

LE Energy glass with argon gas provides excellent heat insulation and is standard. The following glazing options for specific functions provides the benefits of:

Extra heat insulation, solar reduction, fire protection, noise protection, safety glass, burglar resistant glass, self-cleaning glass and decorative glass.

## ■ Handles



## ■ Blinds

Between the panes in the split 2+1 casement or internal free hanging for the triple glazing and the fixed lights.

## ■ Trickle Vents



## ■ Bespoke window shapes

These are available in various sizes and shapes. Large and small, circular, arched or rectangular together with combinations of openable windows and those that are fixed. U-values as low as 0.8.



## We are located in Småland – Sweden

Our factory and head office are situated in Mariannelund – in the heart of the fairytale world created by the writer Astrid Lindgren for Pippi Longstocking - with neighbouring villages such as Lönneberga and Bullerbyn. It was also here that the company was set up in 1982 with a handful of staff – there are now over 130 employees. About 20 percent of our £20 million turnover derive from exports, mainly to the UK.



## Persistence, precision and loyalty

LEIAB is located in Småland, a part of Sweden that is known for its persistence, precision and loyalty. Several of our staff members have been with us from the start and have thereby developed into expert craftsmen. A combination of modern production techniques, a finely tuned manufacturing process with a clear allocation of responsibilities, and well established suppliers have contributed to the fact that today few can match the precision and quality of our products.

## We keep our promises and offer generous guarantees

We offer our customers a stable and secure investment and we keep our promises. Your delivery arrives within the agreed time, not before and not after. Furthermore, we always provide advance notification of the precise time that the delivery is going to arrive.

Our production process is fine-tuned and nothing is left to chance. All products undergo quality control before being delivered. We know that the products that leave our factory live up to our promises, not just in terms of performance but also with respect to function. That's why we provide generous warranties. A 10 year functional warranty as well as a 10 year warranty against condensation between the panes in both double and triple glazed windows.



## This is our quality policy

LEIAB's end product shall be the result of an organisation that is focused on quality and puts the customer at the centre.

- Staff will perform their allocated tasks as agreed and to budget, with personal responsibility and commitment, including follow-up and documentation.
- Quality is the responsibility and concern of all employees.
- Our quality system shall comply with ISO 9001. It shall be under continuous development including follow-up and documentation.
- Quality is the highest priority and shall be regarded as a natural part of daily activities.
- Work shall be carried out responsibly and loyalty shall be shown to each other and to the company.

## We are protecting the environment

It goes without saying that we have a clearly drafted environmental policy that is adhered to by the production process from order to delivery of finished products. One example worth mentioning is that as early as 2001 we replaced the solvent-based paint used for our wooden components with water-based paint.

It does not harm the external environment and it also creates a clean and safe working environment for our paint staff. We are also the first window manufacturer to start powder coating aluminium profiles in an environmentally friendly way. The method involves the complete removal of chrome, that is hazardous to the environment, with environmentally friendly substances. The quality of the final coating is the same.

In our unique window designs the parts of the window that are exposed to the weather are constructed entirely out of maintenance-free aluminium. We consequently don't require toxic preservatives to protect our product against rot. An additional environmental benefit, for both nature and our employees.

## A long life-span for both the product and the environment

We have been developing and refining the product for many years, and it now has an extremely hard-to-beat service-life. Moreover, our windows are virtually maintenance-free.

All in all, this provides a very low life-cycle cost. It is definitely not a product that will need to be quickly replaced and it therefore also has a low environmental impact. However, no products last forever. That's why it is a matter of course for us to ensure that our products are recyclable.

## This is our environmental policy:

LEIAB's stated objective is to work for a better environment by endeavouring in our activities to:

- Develop windows that are easy to maintain and are energy-efficient.
- Achieve a manufacturing process that is more resource-efficient/environmentally friendly.
- Satisfy the customer's environmental requirements.
- Collaborate with environmentally conscious suppliers
- Provide a label detailing all materials included in the products



With the CE marking on a product, the manufacturer declares that the product conforms with the essential requirements of the applicable EC directives.



FSC (Forest Stewardship Council ) for sustainable forestry. The timber is certified according to the FSC standards.



10 year warranty



P-marking means that the product is type-tested and that the manufacturer's own inspection is monitored by SP Technical Research Institute of Sweden.



Tested in accordance with British and European Standards EN1026, EN1027 and BS7950. Test data available upon request. Leiab follow the Security By Design recommendations and are third party audited.



Siegro april 2013

**HEADOFFICE/FACTORY**

Fagersjögatan 3  
 598 97 Mariannelund  
 SWEDEN  
 Phone +46 (0) 496 707 00  
 Fax +46 (0) 496 211 60  
 E-mail info@leiab.se



[WWW.LEIAB.CO.UK](http://WWW.LEIAB.CO.UK)