

# THE BEST OF TWO WORLD.

## GAULHOFER WINDOWS MADE OF WOOD & ALUMINUM.

Windows play an important role in the comfort of your home. They connect the inside with the outside. They allow your gaze to travel far beyond, past wind and weather. They act as a magical boundary between nature and security. Just like a window connects one world with another, wood & aluminum windows by Gaulhofer combine the advantages of two very different materials: wood on the inside, to create a cozy atmosphere for relaxation and comfort, and an aluminum reinforcement on the outside as a completely indestructible, perfectly engineered and visually attractive connection to the window.





# WOOD & ALUMINUM – JOINED FOR LIFE.

Wood & aluminum windows are the combined culmination of the benefits of two materials: the wood's natural beauty and the resistibility of aluminum tried and proven in space. However, turning a wood & aluminum window into a Gaulhofer wood & aluminum window, involves even more – this is where our extremely sophisticated technology comes into play.

## BAD WEATHER? GREAT NEWS:






The spaced aluminum cladding characterizes a Gaulhofer wood window, making it a unique wood & aluminum window, with maximum weather resistance. The engineered length expansion system perfectly balances the different expansion coefficients of wood and aluminum. Gaulhofer wood & aluminum windows are also energy-efficient.

## COMPLETELY DRY: ABSOLUTELY NO MOISTURE BUILD UP.

Minimizing condensation is one of the major challenges in the windows manufacturing industry. Our high-tech engineered window construction provides unobstructed drainage and diffusion of vapor. Driving rain and condensation are professionally “disposed.” This provides optimum protection against any pockets of moisture in the interior of the window construction as well as in the wall connection area. Furthermore, the triple weather-stripped Audiostop® sealing system prevents condensation. With this system, the exterior air is gradually heated, while the interior air is gradually cooled. On Gaulhofer wood & aluminum windows, the water drainage opening is discreetly covered, to avoid detracting from our elegant window design and your enjoyment of the view.

## A GAULHOFER EXCLUSIVE: DAMPFSTOP® VAPOR BARRIER.

The glass stop seal with permanent elastic silicone prevents humid ambient air from entering the glass chamber. This is the only reliable method to prevent the penetration of moisture and damage to the wood finishing layers in the long run. With the Gaulhofer Dampfstop® sealing system, moisture infiltration by vapor pressure and fogging between the glass panes is a thing of the past.

GLASSLINE	WOOD/ALUMINUM	WOOD	ENERGYLINE	TOP FIVE	TOP FOURPLUS
<b>FACT BOX WOOD/ALUMINUM</b> <i>Know-it-all</i>					
	<b>U<sub>w</sub>-VALUE</b>	> Standard: 1.2 W/m <sup>2</sup> K > Optimum: 0.8 W/m <sup>2</sup> K	>	Energy-efficient and environmentally friendly	
	<b>TOTAL CONSTRUCTION DEPTH</b>	> 85 mm	>	Improved heat insulation	
	<b>THERMO-STOP®</b>	> Glass spacer prevents condensation	>	Best possible view	
	<b>AUDIO-STOP® SEALING SYSTEM</b>	> Triple weather stripping ensures optimum sound insulation	>	Sound sleep	
	<b>DAMPF-STOP® VAPOUR BARRIER</b>	> Glass stop seal prevents penetration of humid ambient air into the glazing rebate	>	Long product life of window	

OUR CONTRIBUTION TO A MORE BEAUTIFUL WORLD.

Wood & aluminum windows by Gaulhofer are characterized by sophisticated technology as well as superior design. Attractive, rounded glass stops on the inside, coupled with the modern, slim profile of the aluminum cladding on the outside make for especially elegant windows. And, you can take advantage of an additional benefit: The design of the aluminum cladding was adapted to the design of vinyl windows. You can combine windows from these two product lines – they look great together.



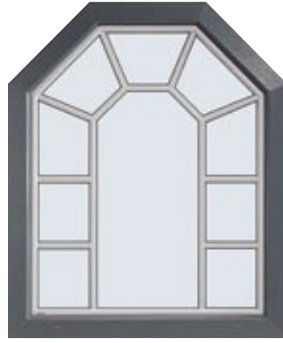
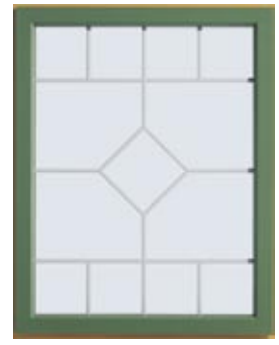
HOW OUR WINDOWS STAY IN SHAPE.

Mounted corner brackets seal individual profiles permanently, ensuring that our wood & aluminum windows maintain their shape their attractive look, even in the most challenging weather conditions.

# GAULHOFER'S STUDY OF SHAPE AND FORM.

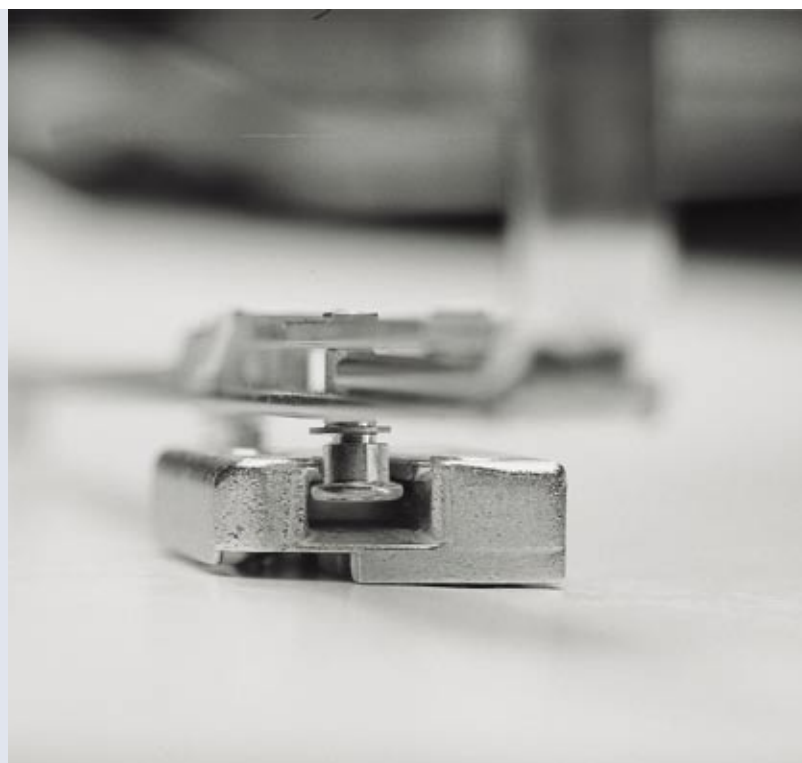
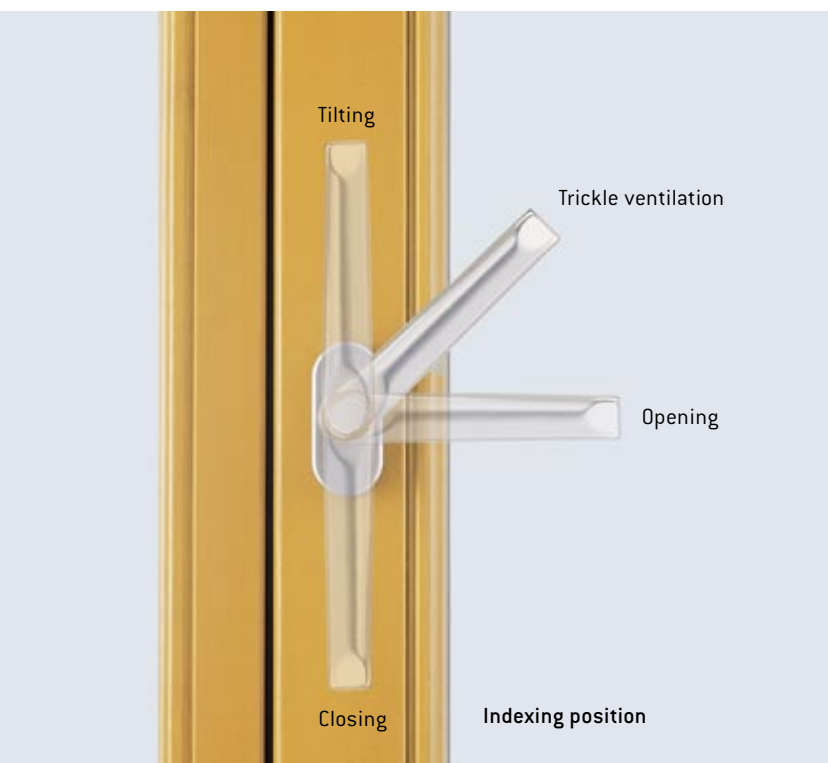
Gaulhofer manufactures wood & aluminum windows in the most unusual shapes to accommodate any kind of construction idea, which can easily be combined with any style of architecture and design request, you may have. Select from a virtually inexhaustible range of arched windows, segment arch windows, circular windows as well as any type of rake window imaginable.





# HARDWARE. TILT AND TURN, OPEN AND CLOSE.

You can tilt and turn it as much as you like: the quality of windows hinges on hardware. Opening, turning, tilting, ventilating, closing – actual daily use is the best test of stability and operating convenience. Gaulhofer wood windows are equipped with consummate hardware technology. It goes without saying that our windows have an operating mechanism for comfortable operation as well as three-dimensionally adjustable corner bearings and hinge bearings with maximum carrying capacity. For everything else, please see below.



## TRICKLE VENTILATION JUST THE RIGHT AMOUNT OF FRESH AIR.

Gaulhofer is always far ahead of the pack; this time, with our optimized trickle ventilation system. The trickle ventilation system provides constant energy-efficient ventilation. The additional indexing position, which is factory integrated into the tilt and turn hinges, is easy to operate by using the handle. In the trickle ventilation setting, the window is opened by 10 mm (3/8"). With our system, the inflowing fresh air can be precisely regulated, leaving wind and bad weather outside.

## YOUR SECURITY IS IMPORTANT TO US. THREE MUSHROOM BOLTS FREE OF CHARGE.

Gaulhofer offers standard mushroom bolt locks on all its wood windows free of charge. We want to prevent any unwanted visitors from disturbing your peace. This security system makes the popular break-and-enter method of prying windows open a lot more difficult. On the bottom of the window, two mushroom bolts – one in locked position and one in tilted position – engage with a locking bracket, which is firmly mounted to the frame. And, being a Gaulhofer window component, these mushroom bolts are also truly innovative – a small contribution to the future of windows. They are self-adjusting and therefore engage smoothly and quietly.

## THIS HARDWARE PASSES ANY SAFETY INSPECTION:

- Tested three-dimensionally adjustable corner bearings and hinge bearings for a maximum sash weight of 130 kg (290 lbs) and hinge covers in the same color as the handle.
- A small cylinder on the corner hinge reduces the drilling depth to 5 mm (3/16"), which prevents heat loss.
- Anti-drilling device to protect against drilling of the window gear from the outside.
- "Slam shut" resistance in tilt position means safety in windy conditions – sash remains in tilt position.
- Can also be upgraded to electronic control.



### OLD SCHOOL MANNERS: THE SASH LIFTER HELPS WITH OPENING AND CLOSING.

When closing the window, the sash is slightly raised. This ensures proper and effortless closing of your window, and prevents you from having to make adjustments for many years to come. Note: With outside frame heights below 94 cm (37"), the sash lifter cannot be installed.



### PRECIOUS LIKE HEIRLOOM SILVER: HARDWARE WITH THE APPEARANCE OF STAINLESS STEEL.

Another first by Gaulhofer:  
All of the functional hardware for our wood windows features a designer stainless steel look.