



**ELEMENTS**

GUARANTEE FOR WOODEN WINDOWS



# ELEMENTS

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THE WOODEN WINDOW IN HARMONY WITH THE ELEMENTS

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## Outdoor weathering stand on the Loas-Alm.

This is where we test our paints, varnishes and glazes.  
Because only if the coating withstands sun, rain, snow, wind,  
ice and the changing seasons does it end up in the tin.

**There are many good reasons to use wooden windows: wood is healthy and environmentally friendly, durable and versatile, wood has character and ensures a pleasant living atmosphere. Wood is like people – alive. However, the natural raw material is exposed to the weathering effects of the elements and therefore needs preventive protection.**

Extreme weather conditions, micro-organisms or mechanical influences can severely damage your window. We divide these influencing factors, which decisively affect the service life of the window, into five elements: water, fire, earth, air and authenticity. Based on this, we have developed the “Elements” guarantee, which guarantees optimum all-round protection for your surface – for 10 carefree years.

At ADLER we have experience with extreme climatic conditions, because nowhere else is wood exposed to such high stress as in the Alps. In order to protect wooden windows from wind and weather, we have been working for 40 years on perfectly matched coating systems and are constantly developing them further - so we can guarantee the best possible protection. Accordingly, we also use the latest technology for our varnishes and glazes.

This enables us to achieve maximum stability, resistance and a significantly longer durability.

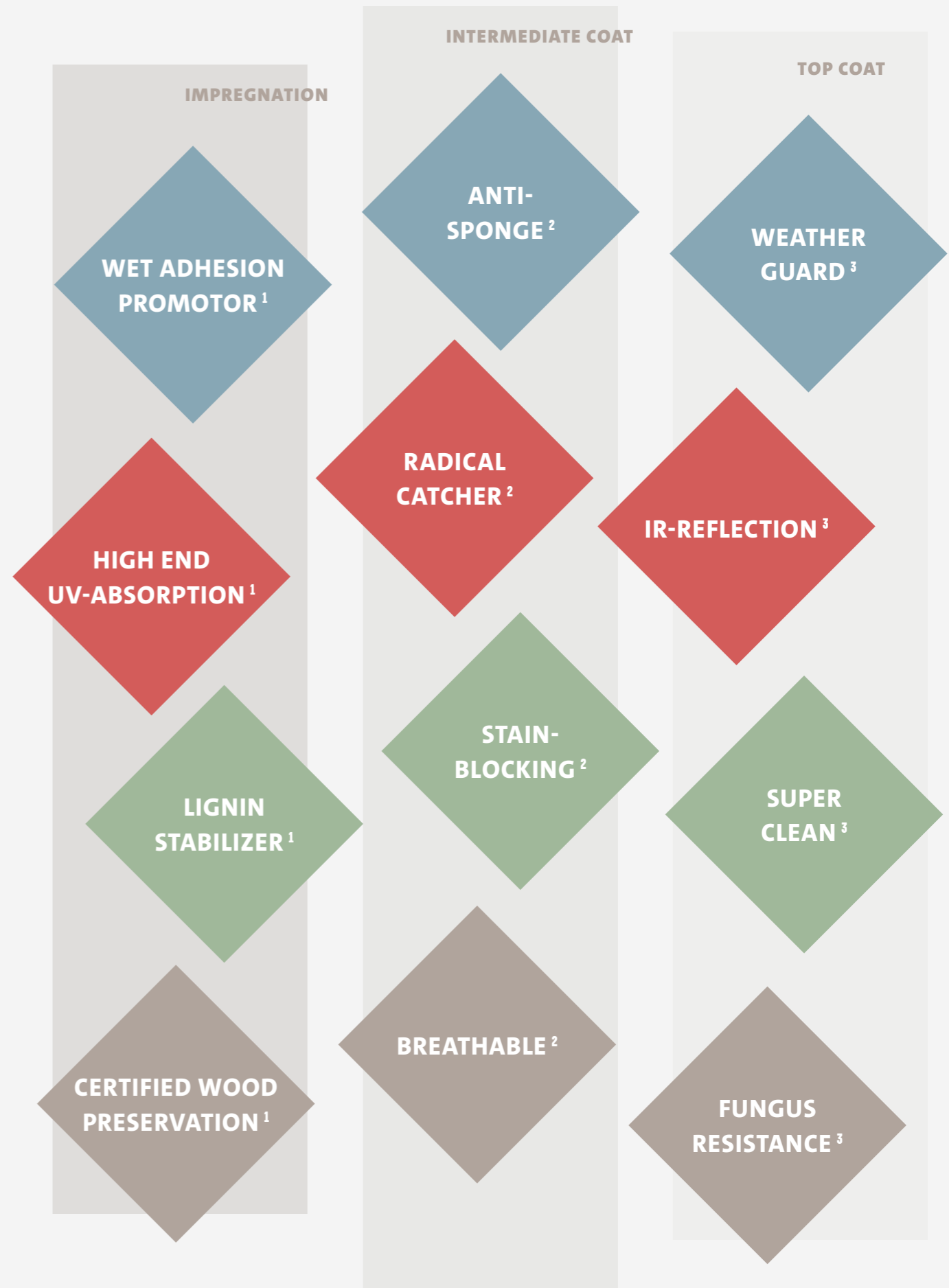
In the manufacture of our premium products, we use only high-quality raw materials, additives and state-of-the-art binding agents to guarantee the maximum service life of our coatings. Through this durability we make a significant contribution to sustainability and environmental protection, which is particularly close to our hearts.

# THE STRUCTURE

Each individual product of the tried and tested 3-layer structure fulfils a special function that protects the wooden window from the weathering effects of the elements. Together, these products create a surface system with exceptional protection, resistance and transparency. As a result, the surface not only feels pleasant, but is also extremely durable.



## ADLER AUTHENTICITY



# THE ELEMENTS



## WATER

The element water occurs in nature in many different forms - from solid to liquid and gaseous. When water flows, it chooses the path of least resistance and penetrates everything if the obstacles are insufficient. It represents one of the greatest stresses for exterior wooden windows.

For this reason, the ADLER window coating system protects perfectly against water in any form. Moisture, rain, snow, hail and hoarfrost cannot damage the surface. The impregnation already prevents loss of adhesion and plays a significant role in the overall structure in protecting against water. The subsequent intermediate coat additionally contains an anti-sponge effect, which significantly reduces water absorption and storage. The top coat as the outermost layer contains multifunctional polymers and, in the end, provides optimum protection against physical damage.



## FIRE

Fire provides heat and light and stands for energy. This element stresses the surface by strong and long-lasting UV radiation and high temperature fluctuations.

With the ADLER window coating system, UV protection starts already from the primer. The impregnation and the high-end UV absorbers it contains protect the wood from discolouration or loss of its natural character. The use of so-called radical catchers prevents the surface from becoming brittle. High temperatures heat up dark surfaces very much and clog the varnish. For this reason, so-called IR reflectors are used for dark colours. They prevent heating, maintain the permanent elasticity and resistance of the surface.



## EARTH

Earth symbolises fertility, stability and safety - thanks to it we finally have „solid ground under our feet“. When we think of stresses caused by the element earth, we primarily think of soiling of the surface due to external environmental influences.

The impregnation stabilises the wood component lignin, which guarantees an extremely long-term intact surface. In the intermediate coat, the stain-blocking technology insulates the substances in the wood, thus protecting the coating system from unwanted discolouration. Thanks to the super-clean effect in the final coat, dust and dirt hardly settles on the window. This ensures that the surface remains beautiful for a long time, even under constant stress.



## AIR

This element stands for air and life and includes all living organisms such as insects, fungi, algae and micro-organisms as well as ventilation.

In this case, the primer already provides optimum protection against blue stain and wood-destroying fungi (according to ÖNORM B3803 or DIN 68800-3). The fungicides it contains provide the best possible protection for the wood and make it more resistant to fungi and their spores from the primer up. The breathable intermediate coat ensures optimum ventilation for the overall structure and provides a pleasant climate. The top coat also does not provide a surface susceptible to biological attack thanks to the use of special varnish additives. The surface is therefore even more resistant to all living organisms.



## AUTHENTICITY

THE FIFTH AND MOST EXCEPTIONAL ELEMENT OF THIS GUARANTEE IS AUTHENTICITY. WE ALSO SEE IT AS OUR TASK TO GUARANTEE THE AUTHENTICITY OF ADLER SURFACES.

We can check whether it is actually a surface on which ADLER products were used. The so-called ADLER eye, a spectroscopic method based on infrared radiation, guarantees authenticity. The origin of the applied varnish can be clearly proven. The consumer is therefore optimally protected and receives the best possible guarantee protection through the traceability of ADLER products.

# COATING STRUCTURE EXAMPLE



The following coating structure is an example, additional structures can be found in the working guideline ARL 309 for the coating of dimensionally stable components.

## COATING STRUCTURE EXAMPLE **TRANSPARENT**

1 x Aquawood Primo A3 – A6  
1 x Aquawood Intermedio ISO  
1 x Aquawood Finatop 40

## COATING STRUCTURE EXAMPLE **OPAQUE**

1 x Aquawood Primo A2 Weiß  
1 x Aquawood Intercare ISO  
1 x Aquawood Covatop XT 20

### GUARANTEE DURATION GUARANTEE PERIOD

# 10 YEARS

for transparent and  
opaque structures on  
wooden windows

### GUARANTEE PROMISE

When the products are treated in a suitable manner according to instructions in our technical data sheets as well as in compliance with our working guidelines, we guarantee that:

- no maintenance coating is necessary during the guarantee period
- no greying occurs
- the coating will not peel

### GUARANTEE SERVICE

If during the guarantee period greying of the wood occurs, the structure of the coating changes, the coating peels off or if the coating does not fulfil the promised function, ADLER will assume the costs for the rehabilitation of the affected component by applying a suitable (rehabilitation) coating by brush or spray application. The selection of the method as well as the material to be used and the type of rehabilitation is exclusively the responsibility of ADLER. Any exceeding requirements and claims are excluded. Guarantee service from ADLER does not extend the guarantee period.

ADLER provides guarantee service in the following countries only: Austria, Germany, Switzerland, Italy, Poland, Czech Republic, Slovakia, Belgium, the Netherlands and Luxembourg.

### STATUTORY WARRANTY

Statutory warranty claims exist independently of the guarantee promise. Guarantee services have no influence on the duration of the guarantee.

### GUARANTEE CONDITIONS

ADLER products must be applied in accordance with the technical data sheets and working guidelines. Relevant standards or guidelines for construction and storage must also be taken into account for windows. Compliance with the construction monitoring obligation as well as the proper assembly of wooden windows and doors according to the state of the art and measures intended for protection during the construction phase according to the VFF data sheet VOB.03 must be ensured. The general terms and conditions of the ADLER-Werk Lackfabrik Johann Berghofer GmbH & Co KG must also be observed.

All detailed guarantee conditions with regard to wood species, paint structure or workpiece can be found in the working guideline ARL 300 for the coating of dimensionally stable and limited dimensionally stable components General Part and in the working guideline ARL 309 for the coating of dimensionally stable components Structures Elements.



## SUBSTRATES

TRANSPARENT AND OPAQUE STRUCTURES ARE GUARANTEED ON THE FOLLOWING SUBSTRATES:

- Solid wood (softwood and hardwood species working guideline ARL 300 for the coating of dimensionally stable and limited dimensionally stable components General Part and working guideline ARL 309 for the coating of dimensionally stable components Structures Elements.)
- Guarantee for other substrates only after preliminary testing and written approval from ADLER.

## GUARANTEE EXCLUSIONS

The following are excluded from the guarantee:

- Damage caused by force majeure, mechanical action (e.g. improper use, hailstorms and the like) or by the fact that such damage was not promptly remedied in a proper and professional manner.
- Damage that is not reported to ADLER within 14 days of the occurrence of the damage.
- Damage that occurred due to improper maintenance and care by the customer.
- Damage due to high construction moisture or unexpected, unusual moisture exposure, impact of humidity, and similar.
- Damage caused by subsequent works.
- Cracks and compressions due to statics as well as construction defects.
- Colour changes due to darkening of the wood.
- Surface defects due to the flow of resin.
- Damage that has occurred due to water ingress and unsealed sealant joints.
- Changes to gloss degree and colour during the guarantee period must be accepted according to the state of the art.
- Cracks that can be traced back to the substrate.
- Changes in the coating that can be considered as normal ageing.
- Damage occurring at an altitude above 1600 m above sea level and damage occurring in the immediate vicinity of the sea at a distance below 50 m from the beach (possible exposure to sand).
- Planning defects

## TO BE CONSIDERED BY THE CUSTOMER

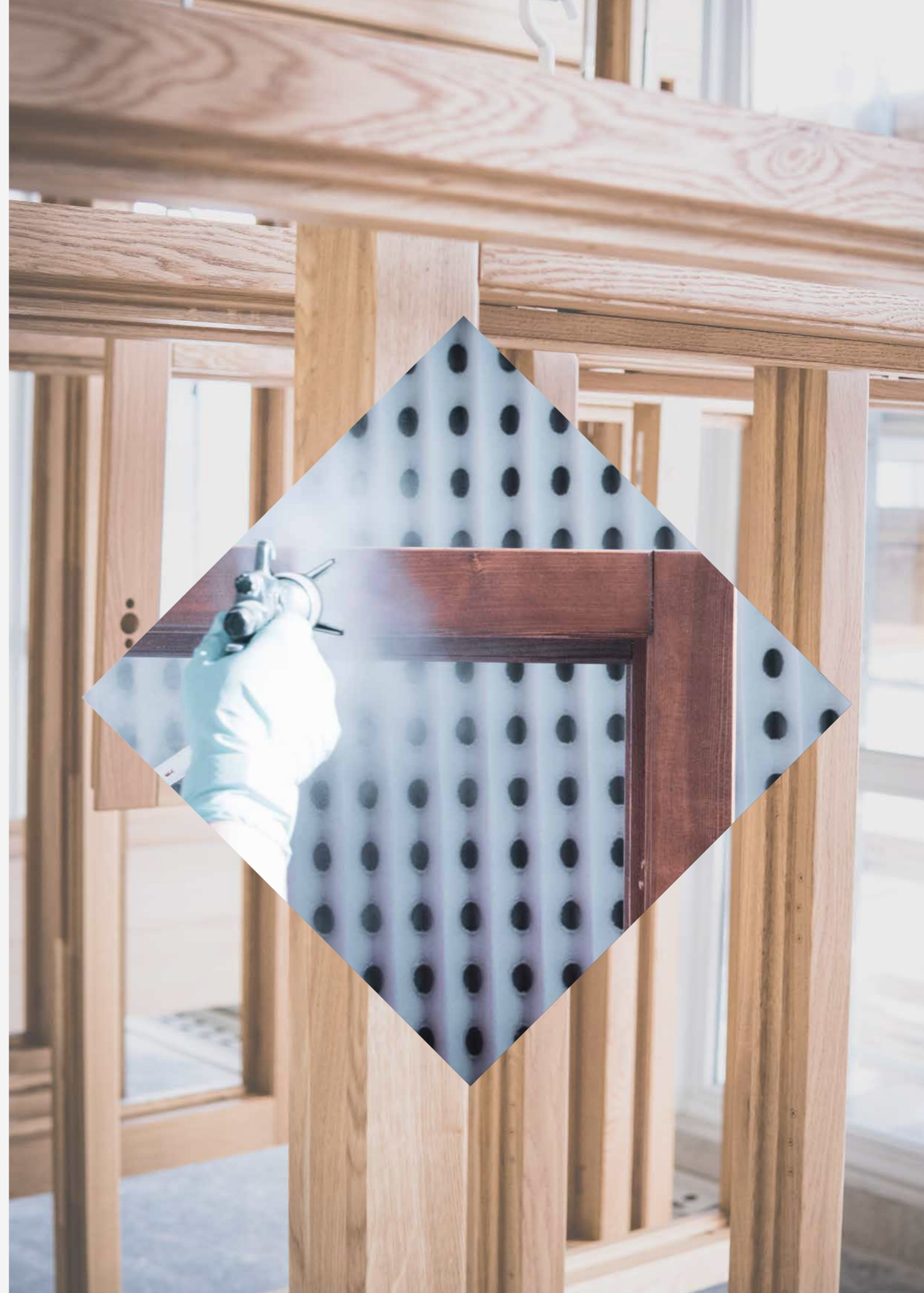
The end customer must clean the surface at least once a year and check for possible mechanical damage (e.g. due to hail and storms) and the integrity of the sealant joints. Any identified damage must be removed immediately properly and professionally. Any repairs to sealants can only be carried out by the window or door manufacturer or by decoration firms. Furthermore, in addition to annual cleaning, treatment with the appropriate care product must be carried out.

Detailed guarantee conditions with regard to wood species, paint structure or workpiece can be found in the working guideline ARL 300 for the coating of dimensionally stable and limited dimensionally stable components General Part and in the working guideline ARL 309 for the coating of dimensionally stable components Structures Elements.

## GUARANTEE CONDITIONS

The conditions for granting the guarantee are the successful registration via our website as well as compliance with the following points:

- Register on our website at [www.adler-coatings.com/elements](http://www.adler-coatings.com/elements) – You will then receive a confirmation e-mail. Keep this e-mail as proof.
- Closely follow the instructions of the current technical data sheets.
- Keep the invoice as proof of installation date.
- Supply your end customer with the maintenance manual for all windows and doors so that they can read the relevant information concerning the correct maintenance and repair in the case of damage.





**Paint runs through our veins.**

Over 80 years ago, Johann Berghofer laid the foundation stone for ADLER and work was started to develop its own paints.

Much has changed since that time, but one thing has stayed the same: our passion for colour, which drives us day after day to work on the perfect surface coating.

**Paint runs through our veins.**

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