

**DÖPFNER WINDOWS.**  
**Now with ECO-FOOTPRINT.**

Our windows are the first in  
Germany to be based on  
of scientific environmental criteria.



We think differently,

**different, of course...**

 **DÖPFNER**  
FENSTER TÜREN UND MEHR

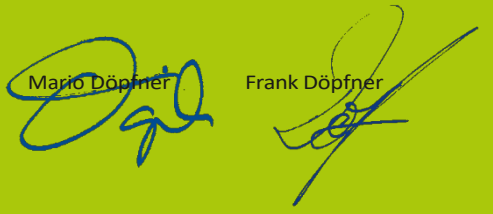
We made our decision a long time ago. **For a sustainable future worth living! Make your decision too!**



More than 10 years ago, we at DÖPFNER decided not to use any tropical wood species (meranti, sipo, teak, etc.) - and we are still convinced that this is the right approach. **is the only right decision.**  
In many Asian, African and South American countries, wood is still harvested in primary forests (virgin forests) - even with government approval! This wood reaches the European market - with and without forest labels (PEFC, FSC, etc.).

Similarly, DÖPFNER does not use Siberian larch in its windows, as 80% of Siberian larch is unfortunately felled illegally in boreal primary forests! The primeval forests of Siberia are an indispensable "green lung" - they store around 70 % of Russia's and Europe's CO<sub>2</sub>emissions

We are fully committed to sustainable forestry and only use domestic wood species (spruce, European larch, oak) of the highest quality and from regional sources with short distances - certified by the recognized WOOD FROM HERE environmental label.



**Virgin forest wood? No thanks!**  
Because DÖPFNER is of course different...



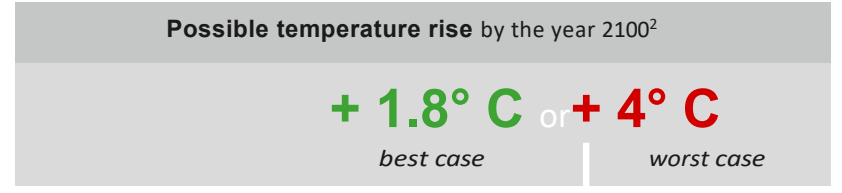
We only have one earth.  
**Our Future is Now!**  
**Together against climate change!**



**We really only have one earth!**

"Humans have not been on the moon for almost 50 years, and never on Mars! No planet or moon in our solar system is habitable for humans!  
And interstellar travel to distant worlds - with technology available in the foreseeable future - will remain science fiction for a very long time!"

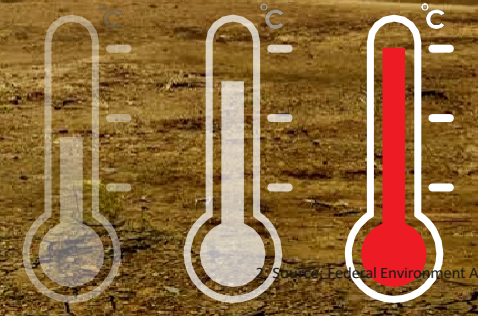
So, realistically speaking, we have no alternatives to our blue planet - which is unfortunately getting warmer and warmer!



Since around 1950, there has been evidence of greatly accelerated climate change - much faster than in previous millennia. The atmosphere and oceans have warmed considerably. New heat records, water shortages, storms - the signals are clear. clearly! The amount of snow and ice has decreased significantly and the sea level is rising continuously.

**We should protect the earth - on which we ALL live much more carefully than we do now!**

**FIGHT CLIMATE CHANGE**



Source: WCMC 2018 (UNEP World Conservation Monitoring Center)

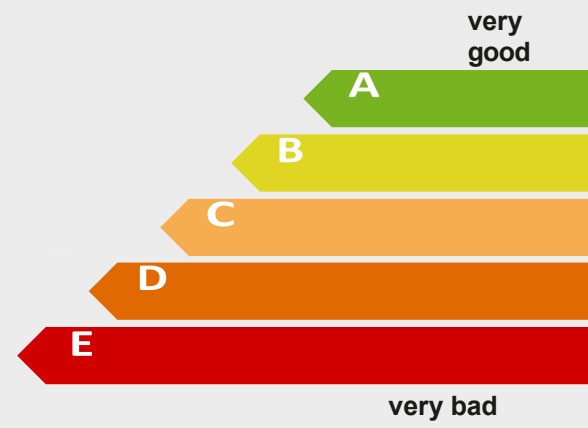
Source: Federal Environment Agency

Our footprint is

# green



Now also with **Letter and seal**



Overall product rating (10 parameters) Döpfner wood + wood-aluminum windows



**DÖPFNER WOODEN WINDOWS**

Individual ratings according to wood species

- Spruce: A 1.00
- Larch: A 1.05
- Oak: A 1,05

**DÖPFNER WOOD-ALUMINUM WINDOWS**

Individual assessment according to wood species

Spruce: B 1.87

windows wood+ wood-aluminum

**A 1,24**

different, of course...

Excuse me?

A window is not an electrical appliance...



That's right! Although... sometimes windows have electric blinds... Jokes aside! We at DÖPFNER noticed that refrigerators, dishwashers - and many other technical appliances - in terms of energy efficiency.

Why? Quite simply because, because refrigerators & co. always have an easy-to-understand AMPLE classification. A comparably intuitive environmental assessment for window elements - based on criteria such as environmental and climate impact, resource consumption, subsequent use and many other factors - would be highly desirable...

No sooner said than done!

DÖPFNER IS NOW THE FIRST WINDOW MANUFACTURER IN GERMANY, which has implemented a product-specific and scientifically based ECO-FOOTPRINT rating for its timber and timber-aluminum windows. This WHOLE ENVIRONMENTAL FOOTPRINT makes the entire ecological impact of various window frame materials transparently visible.

Different window frame materials can therefore be compared and evaluated in terms of their environmental footprint. It makes a huge difference whether a window is mainly made of wood, aluminum or plastic. And it is also decisive whether, for example, our raw material wood is sourced locally and regionally over very short distances from sustainable forestry, or whether it comes to us over very long distances from tropical or boreal primeval forests, destroying resources!

The ECO-FOOTPRINT is the result of a comprehensive, holistic assessment of the environmental impact of products and processes - on a scientific basis. The underlying, scientifically based methodology also evaluates, for example, qualitative impacts on the environment, resources and biodiversity that are not represented in other instruments but have a significant impact on the environment.

# DÖPFNER windows are the first with an ECO footprint.

The new environmental footprint provides assessments of the various environmental aspects in the form of an intuitive traffic light system. The ratings are based on scientific

Evaluations, with data from globally recognized databases. Background reports, white papers and method descriptions can be requested from the program owner BS-Umweltberatung (> www.bs-umweltberatung.de).

The new footprint methodology was applied to specific timber and timber-aluminum window systems from the DÖPFNER product range as well as to generic data based on various frame materials.

**EXPLANATIONS ON THE LEVEL CLASSIFICATION FOR DÖPFNER WOOD (WINDOWS) (SPRUCE)**

**PERE+PENE (A1-A3)** **Light**

**Water**

**FW (Fresh Water Use) - Fresh water consumption of upstream chains**

**RMA (Raw Material Availability)**

**RHP (Risk of High Environmental Pollution)**

**RBL (Risk of Biodiversity Loss)**

**Country factor**

**Social Fairness**

**Health**

**Subsequent use**

**Eco-bonuses**

**ECO-FOOTPRINT PARAMETERS AND PRODUCT CLASSIFICATION**

Reference value: 1 running meter	Parameters	Abbreviation	Unit	Life cycle phase	Classification	Rating
	Energy consumption upstream chains	GWP	kg CO <sub>2</sub>	A1-A3	A1-A3	6,78
	Global Warming Potential (GWP) upstream chains	PWE	kg CO <sub>2</sub>	A1-A3	A1-A3	6,78
	Water consumption upstream chains	PW	l	A1-A3	A1-A3	6,78
	Resource availability	RMA	Index	A1/A2	A1/A2	very low risk
	Risk of high environmental pollution during raw material extraction	REP	Index	A1/A2	A1/A2	very low risk
	Risk of biodiversity loss in the upstream chains	RBL	Quantity	A1/A2	A1/A2	very low risk
	Climate: water and resource efficiency of the Country of origin of semi-finished goods, products	CEPH+PWE+DMC	Index	A1	A1	very good
	Social Fairness: Fairness in the extraction of raw materials	SF	Index	A3	A3	very good
	Health: Substances in the product	RR	Index	C/D	C/D	very good
	End-of-life factor for the subsequent usability of materials in the product	Eol	Index	C/D	C/D	very good
	Eco-bonuses for outstanding eco-social performance of the product in use	Eco bonuses	Points	B/C/D	B/C/D	3 Eco bonuses

**ECO-Footprint**

**HOLZ VON HIER**

**Production site is Germany**

**Suppliers from Germany and Austria (close)**

**Raw materials from sustainable forestry**

**Certificate HOLZ VON HIER-Proof of origin and proof of above-average climate and environmentally friendly short distances**

**Eco-bonuses for outstanding eco-social performance of the product**

**Risk: none/very low**

**Climate and environmental impact: very low**

**Overall Product rating: very good**

**Validity: April 31, 2023**

How is it checked?

The 10 parameters of the ECO footprint:

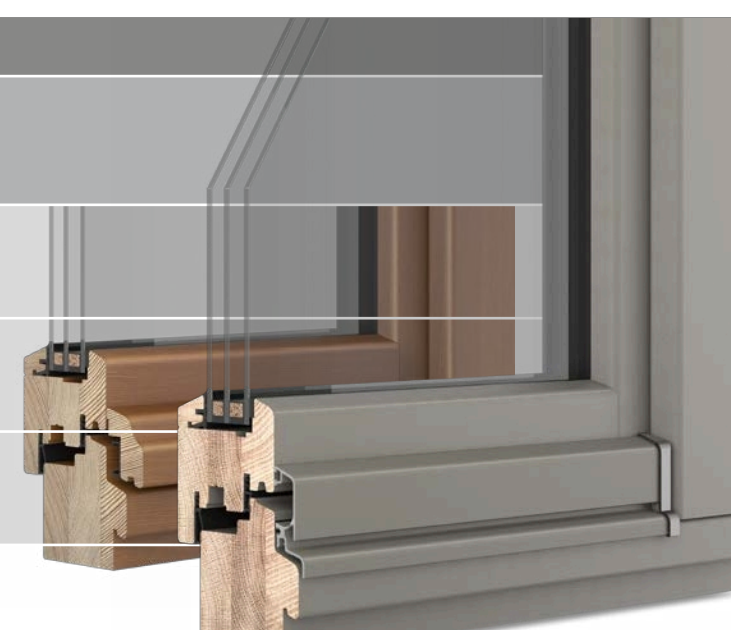
1	Grey energy	Grey energy is a quantitative factor and indicates the amount of energy consumed in the entire upstream chain, including the production of window frames. The actual amount of renewable and non-renewable energy consumed is considered, but not the energy still stored in the frame material.
2	Climate	The Global Warming Potential (GWP) is a quantitative factor and indicates how high the contribution of the product is to the greenhouse effect. GWP is essentially based on the consumption of energy (electricity, heat) and refers to the climate gas CO2 as an equivalent for most production processes.
3	Water	The Fresh Water Use (FW) factor is a quantitative factor and indicates the direct and indirect consumption of fresh water in the manufacture of a product, including transportation.
4	Resources	The Raw Material Availability (RMA) factor is a qualitative factor and expresses the resource availability of a material. For example, whether the material is renewable or finite, common or rare and ubiquitous or only geographically isolated on earth.
5	Environment	The factor Risk for Environmental Pollution from resource extraction (RBL) is a qualitative factor and reflects the risk of high environmental pollution during raw material extraction. The main risks associated with the extraction of individual raw materials and raw material origins are examined.
6	Biodiversity	The Risk of Biodiversity Loss (RBL) factor is a qualitative factor based on IUCN data. It reflects the risk of biodiversity loss during raw material extraction for certain origins and the associated transportation along the main trade routes, starting from the country of origin of the raw material or semi-finished goods to Europe or Germany.
7	Subsequent use	The End of Life (EoL) index provides information on the reusability of material groups under the given conditions for the circular economy in Germany, Europe or worldwide.
8	Country factor	The country factor index is an aggregate value that reflects the climate, water and resource efficiency of industrial production in the country of origin of the semi-finished goods and products. This is because it plays a decisive role where a semi-finished product or product was manufactured.
9	Social fairness	The Social Fairness from Raw material extraction (SFR) index reflects the social fairness of raw material extraction. The factor estimates how high the risk is that a raw material was extracted in a country under antisocial or unfair conditions. It is a sum factor of several internationally used factors.
10	Health	The REACH Risk (RR) index is a risk factor and "only" indicates whether there is a risk that REACH-relevant substances are present in a product that could be dangerous for the user, whether in everyday use or in the event of a fire. The risk factor does not replace safety data sheets or measured values for a specific product.
Eco bonuses ***		Up to three eco-bonuses are awarded for a product's outstanding environmental performance, which is not directly reflected in the above factors, but which has a positive impact on the user during the product's use phase.

At DÖPFNER you see **green!**

The "report card" shows an **A average**.

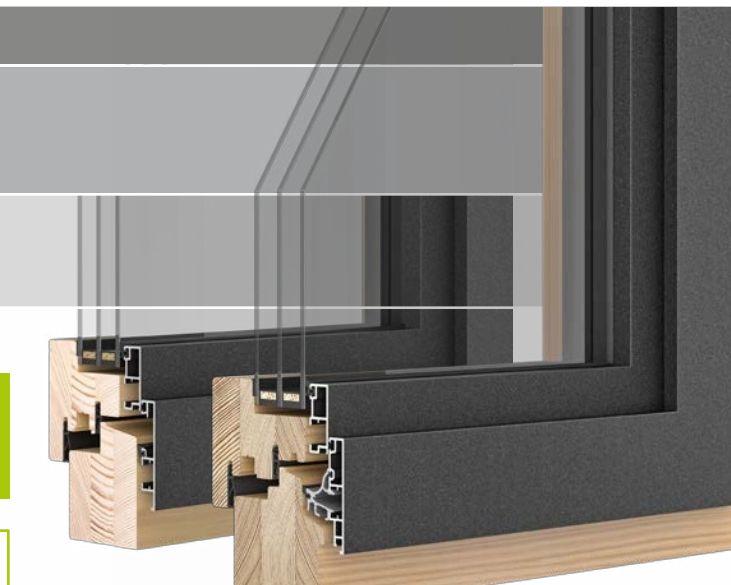
### DÖPFNER wooden windows

Evaluation results		
Wood species	Evaluation average Examination factors 1-10	ECO footprint Rating
Spruce	1,00	*** <b>A</b>
Larch	1,05	*** <b>A</b>
Oak	1,05	*** <b>A</b>



### DÖPFNER wood-aluminum windows

Evaluation results		
Wood species	Evaluation average Examination factors 1-10	ECO footprint Rating
Spruce	1,87	*** <b>B</b>



Average overall rating DÖPFNER windows  
Wood+ Wood-aluminum

**1,24 A**

You will see **orange to red** in other windows!  
 Unfortunately, that's only good enough for a **grade 4**.



ECO footprint ratings for various, frame materials frequently used on the window market.

Data generic | not in the DÖPFNER range

**Generic data for HOLZ windows**

Evaluation results		
Frame material	Valuation average Audit factors 1-10 <i>Weighted arithmetic mean</i>	ECO footprint Rating
Arctic larch from Siberia	3,5	<b>D</b>
Tropical Meranti from Malaysia	3,56	<b>D</b>

**Generic data PVC windows**

Evaluation results		
Frame material	Valuation average Audit factors 1-10 <i>Weighted arithmetic mean</i>	ECO footprint Rating
PVC windows from the EU	3,88	<b>D</b>
PVC-aluminum windows from the EU	4,31	<b>D</b>

**Generic data ALU window**

Evaluation results		
Frame material	Valuation average Audit factors 1-10 <i>Weighted arithmetic mean</i>	ECO footprint Rating
Aluminum windows from the EU	3,94	<b>D</b>

DÖPFNER has always thought **differently, of course...**

#### Wood is in our DNA!

The DÖPFNER family business is now in its fourth generation of manufacturing high-quality wood and wood-aluminum windows. We have been consistently and continuously developing and expanding an ecologically sound corporate culture for decades.

Today, we are one of the market leaders in the field of climate and environmentally friendly production of wooden windows among the consistently ecological window construction companies.

## 100% consistently **environmentally friendly...**

**Concentration on the essentials instead of a vendor's tray. Since its foundation in 1904, DÖPFNER has only manufactured timber windows and timber-aluminum windows out of deepest conviction.** This has enormous ecological and technical advantages for our customers. Only such a concentration on the natural raw material wood and a great love of detail has been able to produce the innovations and technical innovations of DÖPFNER windows.

At DÖPFNER, 100% consistently ecological production is expressed in consistently ecological materials. We only use local woods, which is not a matter of course in the industry.

<b>NO TROPICAL WOOD</b>	like Meranti from Asia
<b>NO PLANTATION WOOD</b>	like eucalyptus from South America
<b>NO BOREAL WOOD</b>	like larch from Siberian primeval forests

The domestic origin of the wood from sustainable forestry and the short distances in the entire material flow of production are confirmed by the recognized and tenderable climate and environmental label

**WOOD FROM HERE confirmed.** More information at > [www.holz-von-hier.eu](http://www.holz-von-hier.eu)

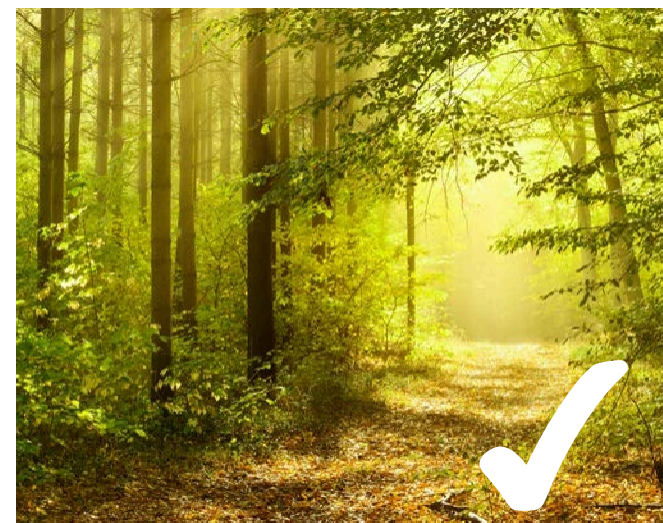
**ENERGY EFFICIENCY** thanks to a very high proportion of renewable energy sources.

We cover 45% of our production electricity requirements from solar energy via our own solar system. The company covers its heating and drying requirements entirely from its own wood waste.

**RESOURCE EFFICIENCY** through optimal cutting.

The wood waste is 100% recycled: 57% within the company and 43% as external chip sales. Packaging waste is reduced to a minimum.

**Eco** is simply **logical** at DÖPFNER!



# Interesting number games. here.

## Less is more!

Fewer kilometers. Less CO2 emissions.

Less energy consumption. Less overexploitation of our environment...

For more resource conservation, more environmental and climate responsibility!

The consistent focus of our company on resource conservation and sustainability can be illustrated by comparing a few figures ...



## Examples

### Comparison of transportation distance<sup>1</sup>

<p>Döpfner   WOOD SPRUCE   NATIVE LARCH   OAK from the Bavarian Forest</p> <p><b>295 KM</b> TRUCK</p>	<p>Generic   WOOD TROPICAL MERANTI from Malaysia</p> <p><b>17,200 KM</b> Ship</p> <hr/> <p><b>2,500 KM</b> truck/rail</p>
<p>Generic   WOOD ARCTIC LARCH from Siberia</p> <p><b>11,700 KM</b> truck/rail</p>	<p>Generic   WOOD EUCALYPTUS from Uruguay</p> <p><b>12,000 KM</b> Ship</p> <hr/> <p><b>1,500 KM</b> TRUCK</p>

By the way  
the HOME LARCH  
is nevertheless  
LARCHER  
in purchasing!

1: Source: "Window comparison" (BS Umweltberatung 2021)

# Our raw material is wood from

# With letter and seal!

## The climate and environmental label

HOLZ VON HIER (HVH) is a recognized environmental label according to ISO 14024.



**1** Products with the WOOD FROM HERE environmental label guarantee that 100% of the logs used for the product come from sustainable forestry. This is confirmed and documented by forest management certificates (FM-FSC, FM-PEFC or comparable). No wood from primary forests or from globally endangered tree species is permitted.

**2** The HOLZ-VON-HIER environmental label guarantees that the products have above-average short distances in the entire material flow of the upstream chains, from the forest to the last processing company (cradle-to-gate) and from there to the place of use or customer (gate-to-customer), and are therefore above-average climate and environmentally friendly. HOLZ VON HIER's controlling system is externally monitored by certifiers from the German Institute of Auditors and TÜV Austria. HOLZ VON HIER is the first and only climate and environmental label that focuses on the upstream chains and, above all, the short climate and environmentally friendly routes in the entire material flow of the upstream chains.



## You find all this very interesting and would like more details?

A detailed environmental statement with a more detailed description of the methodology on which the ECO Footprint project is based - and the ECO Footprint certificates - can be found at for download at:

<https://www.doepfner.de/bauherr/downloads.html>





**project  
future.**

**Döpfner relies on  
sustainable growth.**  
Further production areas  
on our new  
Property are already  
projected!

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