

OPUS LIGNO



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Opus Ligno – translated from Latin – literally means: working with wood.

This work begins in the forest itself.

The forest not only provides us with raw material, it also stores enormous amounts of carbon and therefore plays a vital role in climate protection.

Even when processed, solid wood continues to retain its carbon.

The longer a solid wood product is used,

the greater its contribution to the climate – a topic that will shape

our future. As humankind’s most versatile material, wood must also be

processed in ways that are technically innovative, environmentally

responsible, and sustainably embedded in an ecological cycle.

That’s what this magazine is all about.

Enjoy the read!

KEVIN GARNITSCHNIG
Managing Director, TRAPA

WHERE IT ALL BEGINS

The forest



Natural wonder, scene of fairy tales, recreational space for humans, habitat for animals and economic factor: the forest.

The rustling of leaves, birds singing, the scent of resin, mushrooms, earth, the coarse bark of a spruce, the smooth one of a beech – the forest appeals to all human senses. Numerous studies have proven: Spending time in the forest has a positive impact on well-being and health. People who spend much time in the forest are healthier, catch diseases less frequently and live longer. Even a short walk in the woods reduces stress, lowers heart rate and relaxes the mind. In ancient times and the Middle Ages, forests were considered dark and mysterious. Here, mythical creatures and wild animals lived, but also friendly, helpful forest spirits. Later, in the 18th and 19th centuries, the philosophers, poets and painters of the Romantic era

elevated and idealized the forest: The "enchanted fir grove" became a place of yearning for city dwellers, a symbol of pristine and untamed nature. And today? The forest still provides habitat for diverse flora and fauna, protects against landslides and avalanches in the mountains. Yet, it has also become an important recreational area for humans and a significant economic factor. Around 300,000 people in Austria earn their living from forests and wood processing. They generate about 12 billion euros annually, accounting for 4% of the gross domestic product (GDP). 70% of the production is exported. Austria's forests are primarily in private hands: 82% of the country's woodland is owned by some 145,000 private individuals. The remai-

ning 18%, the so-called "public forest," is managed by the Austrian Federal Forestry, provinces and municipalities.

Austria's forest area is growing

Almost half of Austria's national territory – around four million hectares – is covered by forest. The country's woodlands are home to approximately 3.5 billion trees: that's nearly 400 trees per inhabitant. According to the Austrian Forest Inventory (ÖWI) by the Federal Research Center for Forests, forest area is expanding by about 2,200 hectares annually: significantly more wood grows back than is harvested. The trend towards more hardwood trees continues, thereby enhancing biodiversity. To better prepare forests for a warming climate, it's essential to encourage mixed woodland growth.

Forests support climate protection

Forests are valuable carbon reservoirs that help reduce atmospheric CO₂ levels. Austria's forests alone store about 890 million tons of carbon - the equivalent of approximately 3.3 billion tons of CO₂. That's about 35 times the amount of greenhouse gases Austria emits each year. And as forests grow, these carbon reservoirs expand.

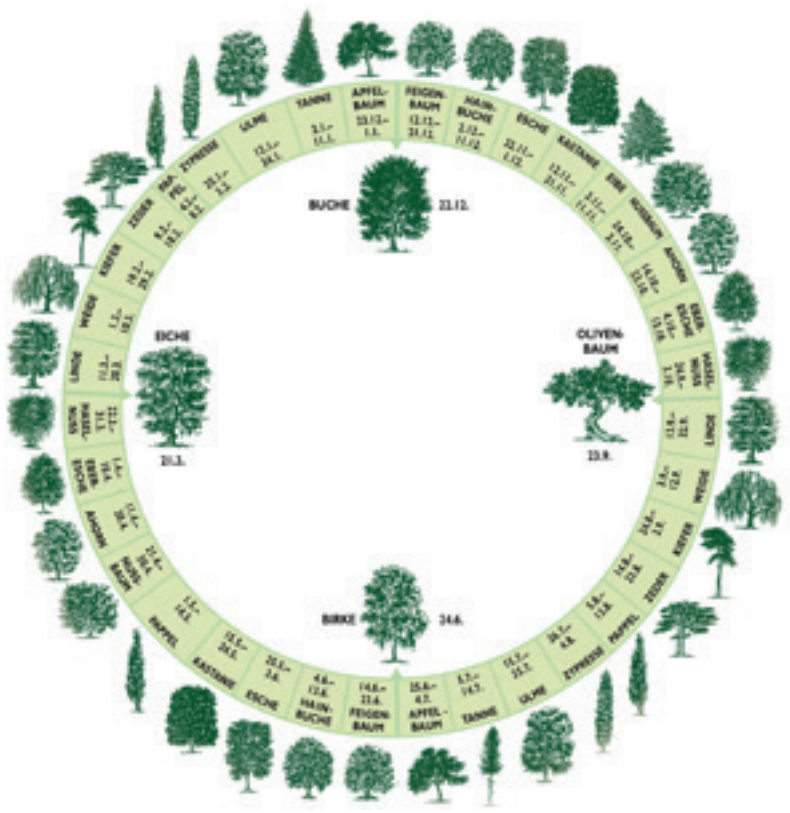
Wood products are carbon reservoirs

When a tree is harvested and turned into a wood product, the carbon remains locked within the material throughout its entire lifespan. The wood product becomes a lasting CO₂ sink, which only releases its carbon upon decomposition or burning. Therefore, not only forests but also all wood-based products (houses, furniture, flooring, etc.)

serve as important carbon reservoirs. Furthermore, using wood helps avoid CO₂ emissions that would otherwise result from carbon dioxide-intensive, climate-detrimental fossil fuels or energy-intensive materials like plastic.

The magic of trees

Despite all rational considerations about the practical benefits of forestry and timber, forests and trees have never lost their ancient magic. For instance, according to the Celtic Tree Calendar, every person is assigned a personal tree of life based on their birth date - each with distinct character traits. These 21 tree species – from maple, the tree of freedom, to cypress, the tree of eternity – are believed to offer guidance and inner strength throughout life, drawing on the symbolic power and timelessness of nature.



According to the Celtic calendar, your birth determines your tree – and your traits.

www.himmel.at/lebensbaumkreis/lhr-lebensbaum/



„Sustainable“ means: for every tree harvested, a new one is planted.

THE HARVEST

Ecologically sustainable, economically sound

Just like a vegetable or fruit garden, a forest must be carefully cultivated, tended, managed and rejuvenated. What has regrown is harvested when mature, making room for the next generation. And what is harvested is replanted to preserve the forest’s stock – a continuous cycle. Studies have shown that a well-managed, regularly reforested forest stores significantly more carbon in the long term than an untouched “primeval forest”. Proper care and responsible use help safeguard biodiversity, productivity, and regeneration – enabling forests to fulfil their vital functions for generations to come. This commitment to sustainability is also reflected in the terminology: today, we speak not of logging but of “harvest.” And just as every field is sown again af-

ter the crops have been gathered, so too are young trees planted in the forest. In Austria, this is done with ecological foresight and great care, under some of the strictest forestry laws in the world. Put simply, for every “removal” from the forest, an appropriate number of new trees must be planted – and the annual harvest is strictly limited. No more wood may be taken than naturally grows back. Clear-cutting without reforestation is not permitted, nor is overexploitation. To ensure this principle is upheld, Austria’s forest owners are monitored by government authorities in accordance with the national forestry law and regional conservation regulations – confirming that any harvested wood has been legally sourced.



PEFC-certified wood from sustainable forestry

TRAPA places great importance on treating people and the environment with care and responsibility. That’s why the wood used for TRAPA products comes from PEFC-certified European forestry. The company itself is also certified. PEFC (Programme for the Endorsement of Forest Certification Schemes) is a globally active institution that ensures forests are managed sustainably. The PEFC certificate is based on the strict criteria set by European forest ministers for forest protection. Independent certification bodies monitor compliance with these high standards. Wood and wood products bearing the PEFC label are demonstrably sourced from ecologically, economically, and socially sustainable forestry – guaranteed free of dubious origins. As early as

1713, Hans Carl von Carlowitz, Chief Mining Administrator of Saxony, called for action against deforestation. In his book “Sylvicultura Oeconomica”, he laid down the guiding principle “that wood must be used with care.” He urged humanity to observe how “nature plays” and then to “act with it – not against it.” Forests, he argued, must be used “with caution,” so that “a balance is maintained between growth and harvest.” Carlowitz recommended systematic reforestation to ensure “a continuous, stable and sustainable use” of the forest – coining the concept we now know as sustainability.





THE WOODWORKING CHAIN

The TRAPA workshops in Carinthia



100% in-house production – all at TRAPA's Austrian site

From drying freshly cut timber and heat-pressure treating the wood to producing and pressing the individual layers and finishing the surfaces with natural oil – every step of the process takes place at TRAPA's production site in St. Veit, Carinthia.



Outdoor air drying

Whether for natural wood floors, stair-cases or wall panels – high quality and durability can only be achieved with premium raw material. That's why, at TRAPA, the wood is air-dried for an entire year after cutting and before further processing, allowing internal tensions to release. TRAPA gives the wood the time it needs.

A roof for drying timber – and generating energy

While the wood dries slowly and gently beneath the sheltering roof, a photo-voltaic system installed above generates green electricity for the production of TRAPA's natural wood floors. This climate-neutral energy generation from renewable sources is set to expand in the coming years.



AUSTRIAN MOUNTAIN SPRUCE & SESSILE OAK

For its oak floors, TRAPA uses premium-quality sessile oak from the Alsace region in France. Renowned as one of the finest oak species, it is also used in the production of wine barrels. The wood of sessile oak contains exactly those natural compounds from which TRAPA creates its signature wood floor colors using thermal pressure treatment.

Austrian mountain spruce also plays a key role in TRAPA's production chain: the core layer – or middle layer – of the flooring is made exclusively from slow-grown, fine-grain mountain spruce with upright annual rings. This high-grade timber ensures a tension-free bond between the three solid wood layers of the flooring.

Top Layer —————
3.2 mm, 4.2 mm or 5.2 mm, depending on floor type (Compact, Comfort, Premium or Manor plank), for oak floors made of sessile oak.

Middle layer: —————
Individual mountain spruce slats with upright annual rings, no side gluing – for tension compensation.

Bottom layer: —————
2.0 mm, 4.2 mm or 5.2 mm, either sessile oak or mountain spruce, depending on floor type (Compact, Comfort, Premium or Manor plank).

Tension-free natural wood floors – 100% Made in Austria

Different than usual in the production of wood floors, TRAPA doesn't purchase any semi-finished components like top, middle, or bottom layers for its natural wood floors. Instead, all wood components for floors, stairs, walls and furniture are self-manufactured at TRAPA's own Austrian production facilities. This ensures the highest quality and supports regional employment, fosters Austrian forestry, reduces unnecessary transportation and is sustainable. Through the optimal coordination of material and production under one roof, tension-free wood elements and non-slip, hygienic, lightfast floors with natural surfaces are created – floors that grow ever more beautiful with the years of use.



"Our production chain is elaborate and complex – but it's the foundation of top-tier quality. For that, we primarily need the right people, but also state-of-the-art technology."

*Christof Schnitzer
Production Manager
TRAPA St. Veit*



Tension-free dry sawing of top and bottom layers.



The human eye decides over final sorting of top layers.



Core layer production from mountain spruce with upright annual rings.



Assembling the top, core, and bottom layers of natural wood floors.



Pressing together the three tension-free solid wood layers.



Refinement of natural wood floors with natural oil.



Milling of tongue and groove for tension-free connections between the floor elements.



Filling knots and cracks (especially for rustic grades).



Scraping off loose branches and fibers before filling.

THE CHARM OF BOG-INSPIRED OAK



Gentle thermal pressure treatment

Bog oak is oak wood, which has remained concealed in bogs under airtight conditions for thousands of years, undergoing a physicochemical transformation process. TRAPA replicates this natural aging process in fast-forward for its Bog-inspired Oak* floors: in tubular oven chambers at 120°C and a vacuum of 18 bars premium French oak is treated with steam (above). During this process, the sugar (xylose) inside the wood caramelizes. Depending on how long these forces impact the wood, various color shades emerge, ranging from light gold to dark coffee brown. Additionally, thermal pressure treatment makes the oak wood even more resilient, durable, and long-lasting than it inherently is by nature itself.

*TRAPA intentionally spells its “Moohreiche” (English: Bog-inspired Oak) with an added “h” to clearly distinguish it from true Bog Oak.

Wood Planing

The gently air-, chamber-dried and subsequently thermal-pressure treated wood, is meticulously planed. In the background, one can easily recognize Bog-inspired Oak by its typical color.



Dry cutting of top and bottom layers

The floors’ top layers are cut by frame saws. Since previous air drying relieves the floor wood’s internal stress, homogeneity and freedom from tension are significant quality advantages of this production technique.

Final hand-sorting of top layers

The sorting of the top layers for TRAPA’s natural wood floors isn’t accomplished by electronic scanners, but rather by experienced employees with a keen sense and trained eye. This manual approach ensures a harmonious overall picture for the individual grades.



PLANK FLOORING

The Leggerezza of mixed widths

Planks of varying – mixed – widths make an appealing impression, by providing the floor with a certain lightness (Leggerezza), despite all its formal precision and elegance.



THE LANGUAGE OF FORM

"Form is everything. It is the secret of life," said Irish writer Oscar Wilde (1854-1900), a master of language. TRAPA natural wood floors speak various languages of form: Raute, Herringbone, Panel or Plank Flooring.

Each of these laying patterns influences the character of the room in a specific manner, appears differently in large and small rooms and showcases itself better in some than others. Hence the various TRAPA flooring patterns act as a tool for interior designers and planners to actively shape the atmosphere of rooms.



Raute in Bog-inspired Oak Arezzo

Raute Panel Parquet

With 3D Effect

With changes in perspective and light, the rhomboid elements of this panel parquet pattern appear as three-dimensional cubes: an attractive visual effect reminiscent of ancient bright-dark stone floors in churches and palazzi.

TRAPA equips its rhomboid panels with a sophisticated connecting system to ensure proper installation of the elements.



Raute in Oak Lugano





Trapezio, Bog-inspired Oak, Portofino

TRAPEZIO PANEL PARQUET

A floor like architecture itself

From every angle, this vibrant panel parquet fascinates the eye with its ever-changing interplay of trapezoidal shapes, patterns, and textures. Its strikingly artistic and architectural appeal especially comes to life in generous rooms with multiple entrances and light sources.





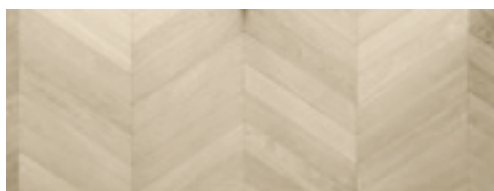
HERRINGBONE

Traditional transfer

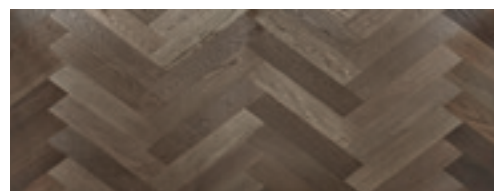
The idea behind TRAPA's large-format herringbone floors is to reinterpret and transfer into the 21st century the form of equally traditional and elegant wood floors, that once adorned palaces, castles, manors and grand bourgeois apartments. Thereby, the highly developed flooring culture of bygone eras is revived, in a contemporary manner, within modern buildings of today.



Spigolo



Angolo



Obliquo

PANEL PARQUET

Past & Present

Inspired by historical role models, translated by TRAPA into the form, color, and surface language of today, and impeccably crafted: The panel parquet in three elegant designs (Castello, Rhomboid, Croce) not only feels at home in old buildings, but also lets the breath of history waft through contemporarily furnished spaces.



Croce Panel Parquet, Bog-Inspired Oak, Portofino



Easier Installation work for craftsmen

In the past, cutting to size and arranging the multiple parts inside individual panels of such floors was a painstaking, on-site task of parquet carpenters. Nowadays, the panels are first prefabricated by hand at the TRAPA facility and afterwards installed as complete units at the construction site. This approach allows TRAPA to preserve the artisanal tradition of panel parquet production, while also simplifying the installation process for craftsmen on-site.





Sweet Chestnut: precious flooring wood

Due to its durable wood, sweet chestnut was already valued by the Romans and Venetians. Until the end of the 19th century, marrons, the tree's fruit, served as the main food source for the rural population in mountainous regions of Southern Europe and were known as the "bread of the poor." This elegant wood contains a high level of tannic acid, similar to oak, rendering it antibacterial. It is used for furniture, window-, door frames, barrels and many more. The tree is common in warm European regions and over the past 25 years, its coverage has been increasing again. The sweet chestnut for TRAPA floors originates from the Piemonte region.



SWEET CHESTNUT

From Piedmont and Ticino



Sweet Chestnut natural



Sweet Chestnut Como



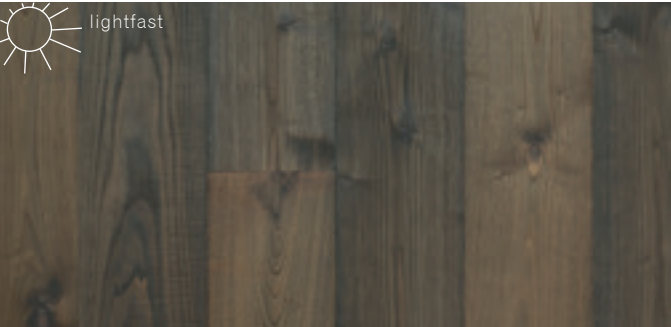
Sweet Chestnut Ostana



Sweet Chestnut Varenna



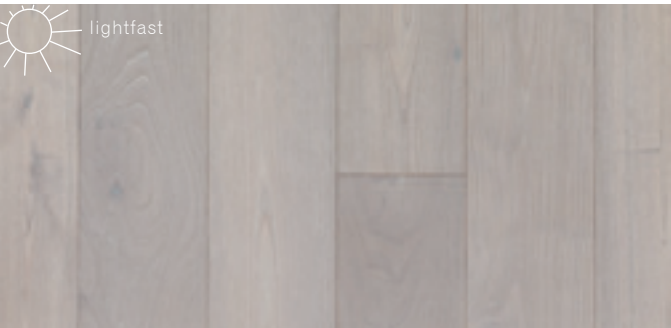
Terra Chestnut natural



Terra Chestnut Barolo



Terra Chestnut Arosio



Terra Chestnut Bianco



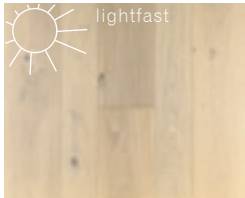
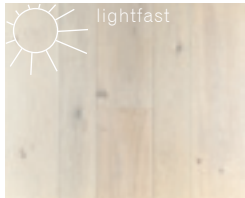
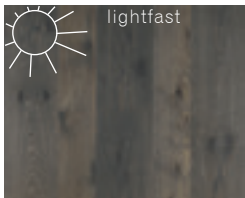
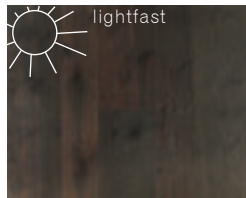
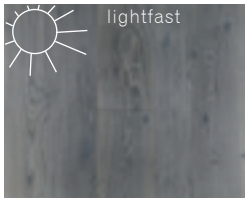
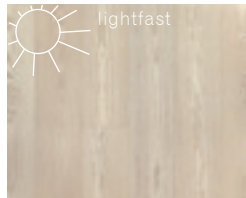
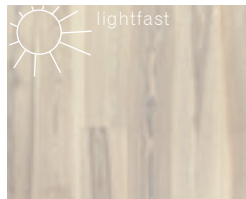
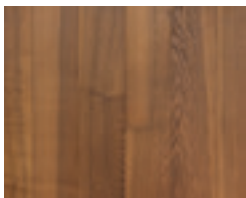
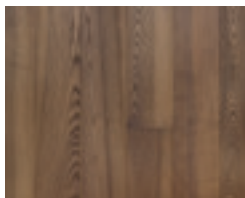
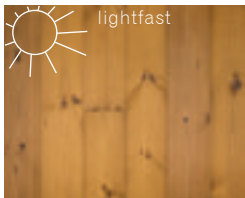
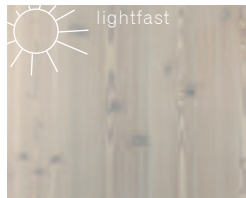
Bog-inspired Oak: the finest wood for wine barrels, cutting boards and natural wood floors!

The exceptional TRAPA floors Terra oak and Bog-look oak are exclusively manufactured from the premium wood of sessile oak, from the French Alsace region.

What exactly makes this oak species so special? It's the evenly distributed tannic acid within the wood, which continuously exerts its antibacterial effect on the untreated wood surface. This characteristic of sessile oak has been utilized for ages in the food sector: for the crafting of cutting boards, cheese platters and butcher's blocks. The tannins of sessile oak also play a crucial role for the maturation of wines in barrels made from this wood.

TRAPA not only produces healthy, anti-bacterially hygienic natural wood floors from Alsace oak, but the valuable substances within this wood also give rise to TRAPA's natural, earthy color palette.



				
Oak natural	Oak Cortina	Oak Lugano	Oak Carezza	Oak Pescara
				
Oak Sovana	Limeoak	Oak Carrara	Oak Verona	Oak Lucca
				
Oak Pisa	Bog-inspired Oak natural	Bog-inspired Oak Sorrento	Bog-inspired Oak Livorno	Bog-inspired Oak Arezzo
				
Bog-inspired Oak Ancona	Bog-inspired Oak Portofino	Terra Oak natural	Terra Oak Torino	Terra Oak Modena
				
Terra Oak Vicenza	Terra Oak Milano	White Ash natural	White Ash Positano	White Ash Otranto
				
White Ash Garesio	Heartwood Ash natural	Heartwood Ash Positano	Heartwood Ash Otranto	Heartwood Ash Garesio
				
Terra Ash natural	Terra Ash Manarola	Terra Ash Triora	Terra Ash Matera	Terra Pine Bolzano
				
Terra Pine Cavalese	Terra Pine natural	Douglas Fir natural	Douglas Fir Antique	Douglas Fir Bianco

Wood is a natural material. Variations in color, texture and knot content are wood-specific features. Changes are thus reserved. Please refer to the current product data sheets at www.trapa.at/en.

EXQUISITE COLORS

Uniquely Created from Natural, Wood-Inherent Substances

The coloration of TRAPA floors doesn't involve the superficial application of stains, but delves deep into the wood. Such natural coloring is achieved through thermal pressure treatment, which caramelizes the wood's intrinsic sugar (xylose). Thereby a range of various natural shades develop based on temperature, pressure and time. As a result, the floor's color emerges from the raw material itself, from wood-inherent substances that undergo transformation.



Comfort Plank, Bog-inspired Oak, Placid Grade, Brushed, Natural Color.

Plenty of glass, plenty of sunlight

Sunlight poses the greatest natural challenge to wooden floors – in particular, the UV radiation that alters their color. With modern architecture featuring ever larger glass façades and therefore more sunlight, the surface treatment of natural wood floors becomes TRAPA's greatest challenge. Out of principle, no stains, waxes, UV oils, or varnishes are applied, so as to preserve the wood's natural strengths. Instead, TRAPA in the Salzkammergut is constantly engaged in research and innovation in natural wood treatment. Extremely dark, gray, and white surfaces that are prone to fading are stabilized with an additional lye treatment to ensure light-fastness. Equally essential is a long and careful period of air-drying, during which each plank is stacked by hand on special drying racks.



Manor Plank, Oak Carrara



After lye-treatment each plank is air-dried on racking trolleys





LIGHTFAST SURFACES

Not only colors, but also light stability of TRAPA floors is achieved exclusively from the material's depth by activation of natural, wood-inherent substances. Dark oak floors, for instance, first undergo thermal pressure treatment for wood sugar (xylose) caramelization, before lasting light resistance is established by a pH-modified water bath which, by triggering a natural iron-tannin reaction inside the wood, prevents color fading even under prolonged UV exposure. However, this process is effective only with oaks that possess a uniform tannin distribution, such as the Alsace region's sessile oak used by TRAPA for its floors. In oak species with irregular tannin distribution, the essential iron-tannin reaction for light stability would produce an inhomogeneous result. Throughout the entire production process, each plank is handled and inspected several times. As always at TRAPA, human craftsmanship and modern technology go hand in hand.



BEAUTY THAT DEEPENS WITH USE



Deep Color-Activating Treatment

TRAPA continuously drives development in the field of gentle wood treatment. In certain natural wood floors, for instance, the reaction of lye treatment with wood-inherent substances like resin and tannins achieves long-lasting, light-stable color shades in a natural and environmentally friendly manner.

TANGIBLY VIBRANT FLOORS



Slowly air-dried natural oils

TRAPA natural wood floors are free from varnishes and waxes. They are painstakingly treated with natural oil and air-dried for two days (!) This is the gentlest way to protect the wood from within. Advantages: no film-forming surfaces (as with conventional UV-light drying), which could become damaged; the wood remains open for diffusion and breathable due to unsealed pores; direct and pleasant contact between skin and wood; high resistance to dirt and water resulting in floors' increased lifespan; slip resistance and easy maintenance. The result of this natural surface treatment are tangibly alive, sustainable natural wood floors that age gracefully and grow even more beautiful with years of use.

ECOLOGICAL CYCLE



100% Utilization of Wood
TRAPA deeply considers how to fully utilize the valuable natural material wood. The company works from fresh wood and produces all components itself. From this, TRAPA’s plant in Carinthia creates durable, timeless natural wood floors and stairs.
Production naturally yields considerable amounts of off-cuts, shavings, and sawdust. TRAPA integrates these into a carefully designed ecological cycle, ensuring they are utilized in an economically efficient and ecologically sustainable way.



Environmentally friendly district heating and wood briquettes
TRAPA utilizes all wood wastes from production. A specially built heating plant generates thermal energy in winter and supplies it to the district heating system of the municipality Klein St. Paul. In summer, when district heating requires less energy, the sawdust is compressed into wood briquettes, which, due to their high hardwood content, possess a long burning life.

ZERTIFIKAT
CERTIFICATE

CERTIFICATE

The certification body
of the **German Institute for Sustainability & Economy**
confirms that the company
TRAPA GmbH
Blintendorfer Straße 20, A – 9300 St. Veit an der Glan
has successfully passed a comprehensive sustainability audit in the fields of
ecology, economy, and social competence
according to the D-23/400889 procedure.
Documented in Audit Report No. 6317 0438.

Additionally awarded:
Seal 2025 – “Rating for SUSTAINABILITY”

Dissel, Managing Director / Münster, 22.10.2024
Certificate No. 6317 0438, valid until 31.12.2026

German Institute for Sustainability & Economy • Gasselstiege 492 • D-48159 Münster www.di-no.eu info@di-no.eu

Deutsches priv. Institut für Nachhaltigkeit und Ökonomie

**Rating for
SUSTAINABILITY**

certified for 2026
Investing in the
future

FLOOR & STAIRS – A PERFECT MATCH



Terra oak flooring – thermally treated, brushed and naturally oiled.



Cantilever staircase crafted from the same wood as the floor.

**Made from the same wood,
crafted at the same time**

Floors and stairs should not only align in color and texture, but also share the same surface treatment and lightfastness. That's why floors and stairs should always be crafted from the same timber batch and installed at the same time – just like at TRAPA.



The manufactory

Experienced solid wood carpenters at TRAPA's in-house manufactory meticulously craft stairs and wall elements – perfectly attuned to the floors in terms of wood species, color and surface finish.



A UNIFIED COMPOSITION

Herringbone, stairs and plank flooring –
one of many refined wood flooring solutions.

For 20 years, TRAPA has been dedicated to establishing floors as integral part of living culture and central element of interior design. Accordingly, TRAPA offers high-quality, technologically innovative complete solutions for customers with both quality and aesthetic demands.

Concepts like these: Herringbone, plank floor and stairs made of one wood - oak Lugano, knotty, brushed - but in different laying patterns for the individual living areas. Diversity in union.



For a perfectly coordinated result ...

TRAPA MEETS JOSKO

For perfectly
coordinated floors, stairs,
windows and doors

The two family-owned companies TRAPA and Josko, both based in Upper Austria, share many core values and views on home and lifestyle quality, aesthetics and craftsmanship. Both companies possess a deep understanding of wood. The result is a broad and exclusive product portfolio including windows, exterior and interior doors, as well as a wide range of high-quality flooring solutions – all harmoniously aligned in design, material, finish and color. It is through the elegant interplay of these distinct components that smart solutions arise – fulfilling individual customer wishes with windows, doors and natural wood flooring of the highest quality and sophisticated design, sustainably crafted in Austria.





THE TRAPA WORLD AT LAKE TRAUNSEE

For premium, perfectly coordinated
interior solutions.

The nature in the Upper Austrian Salzkammergut region provides TRAPA with many creative inspirations. Here, TRAPA presents its exquisite wood flooring and stair collections. Visit the spacious showroom in Traunkirchen and experience the unique charm of the natural material wood with all your senses.

Arrange a personal appointment: TRAPA will gladly take the time to give your questions and wishes the fullest attention.



Paul Willnauer / Sales Manager





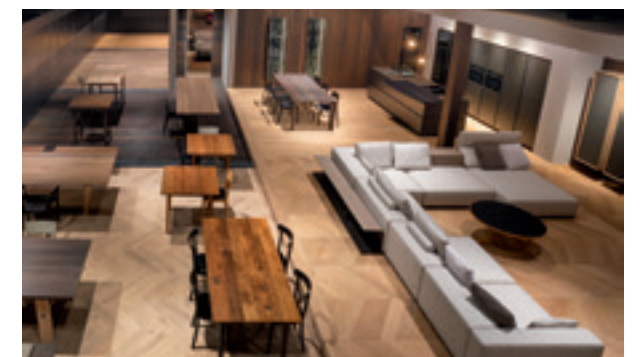
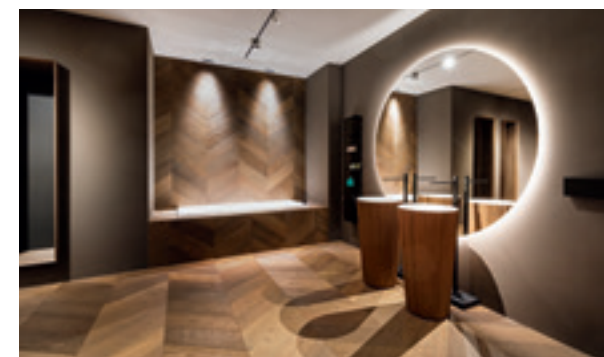
Collage

BLACK BOX CONSULTATION

Floor selection and its coordination with the interior deserve attention, personal consultation and time: TRAPA invites its customers for detailed counseling to the Black Box.

Shielded from all distracting influences, this collage room accommodates more than 500 interior

design materials. To ensure a confident choice of the right TRAPA natural wood floor all materials and colors of windows, doors, tiles, furniture, and fabrics can be brought together into a cohesive collage with the corresponding floor sample.





TRAPA®

OPUS LIGNO

www.trapa.at