

S U S T A I N A B I L I T Y

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North America

Fundermax

For you to create

Fundermax



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Fundermax

No matter whether it's furniture, facades, or interior design: where ideas and materials meet, you'll find Fundermax. As a global market leader in the field of compact panels and a manufacturer of high-quality wood-based materials and laminates, the company is proud to look back on a history spanning 130 years. The continued success is based on the highest quality, innovative and varied design, and sustainable production. Made in Austria – with great love for wood as a natural material, creations, and imagination.

- modern production facilities in Austria and Norway
- North American headquarters in Charlotte, NC
- around 1,500 employees
- annual sales of €500 million (approx. \$530M USD)
- part of Constantia Industries AG
- The Austrian Excellence Award (2018)
- integrated management system certified according to ISO standards: 9001 quality, 14001 environment, 50001 energy efficiency, 45001 occupational safety

We complete what nature gives us.

Based on our ecological roots, we are shaping a sustainable future and are committed to sustainability in our corporate principles.

We strive to manufacture our products from natural raw materials, reduce the negative impact on people and the environment, and avoid waste. We achieve this through sustainable investments and ensuring clean and energy efficient processes as well as through ongoing controls and continuous improvements.

Fundermax has been involved in environmental and energy management for more than 20 years. Our environmental and energy policy is reflected in five key areas of action in the Fundermax Green Deal and is part of our sustainability compass on environment, social and governance (ESG).

The Fundermax Green Deal

Below, we describe our five areas of activity in the Fundermax Green Deal in more detail:

- Corporate responsibility
- Products from nature
- Sustainable energy
- Environmentally friendly production
- Effective climate protection

Responsibility and nature.

Fundermax focuses on sustainable corporate management and 100% wood utilization.



Corporate responsibility

In our actions, we want to deal responsibly with resources, our environment and the concerns of our stakeholders. The most important stakeholders at Fundermax are owners, employees, customers, neighbors, and authorities.

For us, stakeholder engagement is not a trend, but an important pillar of sustainable corporate management.

To implement its environmental and energy policy, Fundermax has established a systematic environmental and energy management system – certified to ISO standards – with experts and specialists.

Products from nature

Fundermax has been working with precision and a love of natural raw materials for 130 years. We source 100% of our wood and paper from certified sustainable forestry.

We rely on the cascading use of wood. In the first cascade, we use wood for material utilization and use it to produce wood-based materials and compact laminates. In the 2nd cascade, wood is used to generate energy. Only when wood can no longer be used for a product do we use it as fuel and thus generate green energy.

We use wood as a product for as long as possible and thus guarantee a particularly sustainable and resource-efficient use of this valuable raw material. We use 100% of the tree.



Certified green energy, photovoltaics, and district heating for a green future.



Sustainable Energy

In St. Veit an der Glan and Neudörf, we generate certified green energy (electricity and process heat) for our production facilities in our combined heat and power plants. At the Wiener Neudorf site, our 7,000 m² photovoltaic system supplies environmentally friendly electricity through the power of the sun.

In addition to the generation and use of green energy, we also focus on heat recovery and the expansion of district heating. We currently supply around 10,000 households in St. Veit an der Glan, Neudörf, Wiener Neustadt and Bad Sauerbrunn with district heating from our waste heat.



By using regionally available, renewable energy sources and substitute fuels, we are independent of fossil-primary energy sources, such as natural gas and oil, and make a sustainable contribution to the energy transition.

We are working hard to make our processes and production even more sustainable step by step. The goal is to achieve a 20% increase in our energy efficiency in the long term.

We regularly take part in scientific collaborations and research projects to ensure our continuous development.

Resource-conserving processing, recycling, and circular economy for environmentally friendly materials.

Environmentally friendly production

Our district heating supply from our waste heat also has a direct regional impact, reducing 42,000 tons of fossil CO₂ from domestic heating every year. This is not only good for the climate, but also for better air quality. The resource-conserving use of raw materials is an important part of environmentally friendly production at Fundermax. In the spirit of the circular economy, we reprocess secondary raw materials into high quality products.

We use a mix of sawdust and quality-assured recycled wood to produce raw chipboard.

Our compact board has a green core and consists of around 65% paper as a carrier material. However, we already cover half of our core paper requirements entirely with recycled core paper, which we obtain primarily from our Fundermax subsidiary Ranheim Paper & Board in Norway, a manufacturer of paper and board products.

In addition, the Fundermax biofiber board consists of 100% fresh fiber/industrial wood from forestry, which is not used in the sawmill industry.

We close loops by using production waste – such as sanding dust, cuttings and fibers from wood – as a quality-assured substitute fuel in energy generation.

We guarantee transparent and clean processes for all areas of our production by continuously monitoring our emissions, complying with our limit values and operating our systems in line with the latest technology.



Illustration:
Biofiber plant St. Veit/Glan
In the production of biofiber
plates, only water vapor is produced.



Wood for CO₂ storage and our contribution to reducing fossil emissions.

Effective climate protection

Climate protection is part of our DNA, because wood is an ideal climate protector: it grows back and binds CO₂ from the atmosphere. If we use wood in the form of furniture or as a building material, the carbon is stored for longer and with our wood-based materials, it's like bringing the forest into your home.

At Fundermax, we are working to reduce our fossil CO₂ emissions. 80% of our energy requirements are already provided by renewable, and therefore climate-neutral, energy sources.

But we are going one step further: we have set ourselves the goal of reducing a total of 50% of our remaining fossil CO₂ emissions.

“We want to recognize potential, think about the future and make good things better.”

Our responsibility

We handle wood as a raw material responsibly and prefer to buy from certified companies. This means that the supply chain of our wood can be traced back to the forest. We thus guarantee that the sustainability criteria necessary for the FSC® and PEFC certification requirements are met.

The demand for certified products is growing all the time. Both seals are very important to us and it is particularly important to us that we buy wood:

- which was not harvested illegally
- which does not violate any traditional or human rights in forestry use
- which protects natural forests and ensures that no genetically modified organisms are used in forestry operations
- which upholds labor law and health protection

In Austria, there is a comprehensive PEFC regional certificate and every forest farmer has the opportunity to register for it.

If our forest farmers need help with this certification process, we will support them as a company.

The procurement of certified wood and paper as raw materials is time-consuming and costly, but essential in order to protect our environment and satisfy our customers.

The environmental impact is increasing rapidly and we are proud to be able to make a contribution to protecting our environment and our habitat by purchasing certified and controlled raw materials!



Sustainability in the construction industry

Today, we encounter the topic of sustainability in many areas of life. Buzzwords such as the Green Deal, ecological footprint and climate neutrality are omnipresent.

The concept of sustainability is not new. It originated in the 18th century in the forestry industry, when the enormous demand for wood to use as a building material and fuel led to massive deforestation. The resulting wood shortage had a negative impact on ecological and social conditions.

Careful use of wood as a resource, a balanced relationship between cultivation and use, was required. This principle still applies today. As climate change continues to demonstrate extreme weather conditions and crop losses, it has become clear that sustainability is not just an ecological buzzword.

In the construction industry, which requires a considerable proportion of global resources, the ecological assessment of the construction products used is becoming increasingly important. Today, the most common method for assessing sustainability on the basis of an international standard is the Environmental Product Declaration (EPD).

An EPD describes construction products in terms of their environmental impact on the basis of life cycle assessments as well as their functional and technical properties. Among other things, the energy requirements, pollutant emissions and water consumption during production are assessed. In addition, the ecological effects at the end of the product's service life are assessed, including the recycling of residual materials.

This quantitative, objective, and verified information makes EPDs an important basis for the ecological assessment of buildings such as DGNB (German Sustainable Building Council), LEED (Leadership in Energy and Environmental Design), or BREEAM (Building Research Establishment Environmental Assessment Methodology).



PEFC certification guarantees the origin and traceability of wood or paper products with a commitment to improvement.

Certified products come from sustainable forest management that respects biodiversity and the vitality of ecosystems.

FSC certification guarantees the origin and traceability of wood or paper products with a minimum level of forest quality.

Certified products originate from sustainable, socially beneficial, and economically viable forest management along the entire supply chain.



biobased

certified

sustainable

Fundermax can now also be found in the Sentinel Holding Institute product data passport!

We live sustainability!

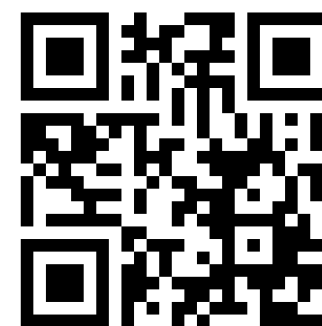
Fundermax has been involved in environmental and energy management for more than 20 years and is committed to the responsible use of resources and a functioning circular economy with the Fundermax Green Deal.

This is also reflected in our entire product portfolio – environmentally friendly materials, resource conservation, circular economy & recycling – we truly live sustainability and have been tested for it!

The sustainability tests of our products can now also be found in the Sentinel Haus product data passport.

The Sentinel Haus product data passport is an innovative tool that allows you to efficiently, easily, and securely access individual certificates for the requirements of building certification in accordance with DGNB, QNG, BNB, BREEAM, and the EU taxonomy.

The digital product passport offers checked and verified product information as well as all the necessary verification documents, which can be submitted directly to the certification bodies with legal certainty.



Scan here for the database

By registering in the product data passport, we offer you security for sustainable products to make your planning and certification process as efficient as possible:

- Our products are quick and easy to install in the database
- You have access to all certification qualities of our products and centralized documentation
- The documentation serves directly as a verification document for certification bodies

How much nature is in our products?

Biofiber – 100% natural product for well-being

The topic of sustainable construction with biogenic building materials is becoming increasingly important. Sustainability and the complex interplay between design and the ecological use of resources in the planning of living spaces call for healthy materials. The Funderplan biofiber board was developed especially for a healthy living environment with an optimal indoor climate.

For the production of our high-density wood fiberboard Funderplan, we only use fresh fiber/industrial wood from certified sustainable forestry. Using self-generated renewable energy, the biofiber boards are produced in our special manufacturing process without synthetic adhesives. In contrast to conventional wood-based materials, which are produced with petroleum-based glues, we activate the natural resins contained in the wood fibers and thus create an unadulterated natural product. This is what makes Funderplan so unique.

Funderplan thus creates an exceptionally good quality of living space and has a positive effect on comfort, hygiene and the health of residents and users. The indoor climate is an experience; Funderplan demonstrably guarantees living and working without exposure to unnatural emissions, even in projects for children and the elderly or people with particularly sensitive health. The result is spaces in which you can live with a clear conscience and recharge your batteries.

Sustainability is a top priority for us. The life cycle assessment of raw material supply, transportation, and production confirms our GreenHouseWarming potential of $-1,612.5 \text{ kg CO}_2 \text{ per m}^3$ or tonne. As we do not have to use any petroleum-based resins, we are proud of our positive contribution to decarbonization.

The formaldehyde content of the biofiber corresponds to that of natural wood.





Versatile and sustainable

Star Favorit

When sustainability meets aesthetics: decorative chipboard with 100% recycled core material. Our decorative chipboard is not only aesthetically pleasing, but also environmentally friendly. The core layer of the boards is made from 100% recycled material, resulting in an impressive total recycled content of 67%. This approach not only reduces our impact on the environment, but also creates a high-quality and sustainable product.

The areas of application are as individual as the design possibilities: from kitchen countertops and home furniture to tradeshow and store fitting construction.

Star Favorit is a product that consists of 90% wood, a natural and renewable resource.

NOTE: This is a European Market product and is not available in North America.





The compact panel for indoors and outdoors

Modern buildings place high demands on the materials used. With our Max Compact panels, we are positioning ourselves at the heart of functional building architecture. Regardless of whether you are looking for high mechanical resistance, moisture resistance, weather resistance, and a long product life, with Fundermax you are planning on the safe side.

The special manufacturing process guarantees a long service life and thus significantly reduces the consumption of resources.



Our Max Compact panel has a green core and consists of around 65% paper as a carrier material. We already cover half of this core paper requirement with **100% recycled paper**. The remaining paper comes entirely from sustainable forestry and is FSC and PEFC certified.

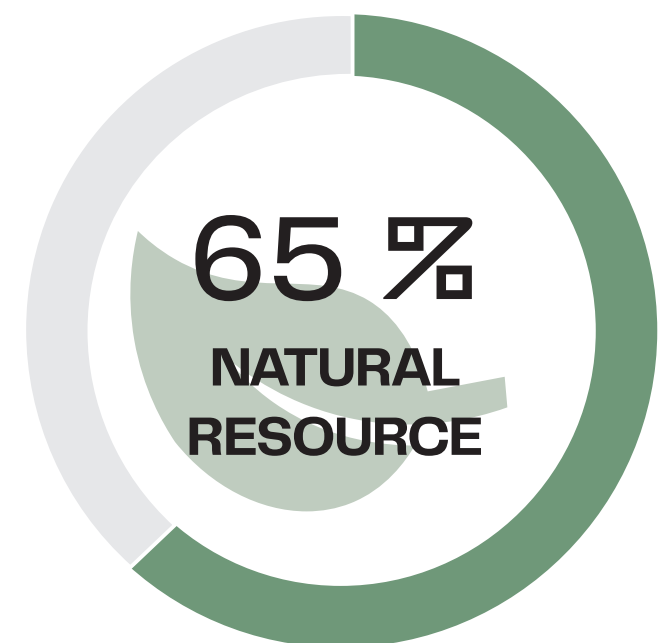


Max HPL

HPL laminates are robust high-pressure laminates. This means that the individual layers of the boards are pressed together in a complex manufacturing process at high temperatures and high pressure. The individual layers of the HPL panels consist of paper impregnated with resin. During the complex production process, a high-quality material is created layer by layer that is robust and versatile.

Environmentally friendly during the entire life cycle

The core paper and decor paper layers are impregnated with thermosetting resins, dried and pressed under high pressure at high temperatures. The result is a board with exceptional properties that complies with European standard EN 438.



Our production sites

Wiener Neudorf

The site in Wiener Neudorf in Lower Austria employs around 500 people. Production comprises the laminate, compact laminate, and m.look product groups, with around 2.7 million m² laminate (HPL) and 8.2 million m² compact laminates and m.look being produced here.



Neudörf

The site in Neudöfl in Burgenland currently employs around 200 people in the production of raw chipboard. These are primarily produced for the company's own further processing into high-quality decorative chipboard for the furniture industry. A biomass cogeneration plant also generates electricity and heat for the company's own production.



Sankt Veit an der Glan

The site in St. Veit an der Glan in Carinthia employs around 440 people and comprises three plants where the Biofaser, Star Favorit, and Premium Star product groups are produced. Around 14 million m² of Star Favorit and 24 million m² of biofiber are produced every year. Thanks to our own biomass cogeneration plant, we are able to be largely energy self sufficient by generating green electricity and district heating in our production facilities.



Ranheim

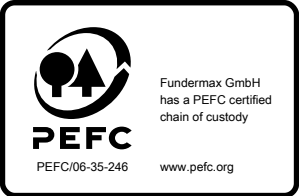
The site in Ranheim, Norway, employs around 100 people who manufacture the paper for our production. 100% of the raw material consists of recycled paper. 100% of the production waste is fed back into the production process. This creates an optimal material cycle.



SUSTAINABILITY COMPARISON CHART

F	Max Exterior Max Authentic	Max Interior Max Interior Plus Max Resistance ²	Max Interior F-Quality Max Interior Plus F-Quality
FSC Certified*	✓	✓	✓
EPD	✓	✓	✓
HPD	✓	✓	✓
Greenguard		✓	✓
ISO9001	✓	✓	✓
ISO14001	✓	✓	✓
ISO45001	✓	✓	✓
ISO50001	✓	✓	✓
No Added Urea Formaldehyde	✓	✓	✓
100% Recycled Paper Core**		✓	

* = 65% Kraft Paper by Weight ** = 65% of Panel



DGNB

Deutsche Gesellschaft für Nachhaltiges Bauen
German Sustainable Building Council



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