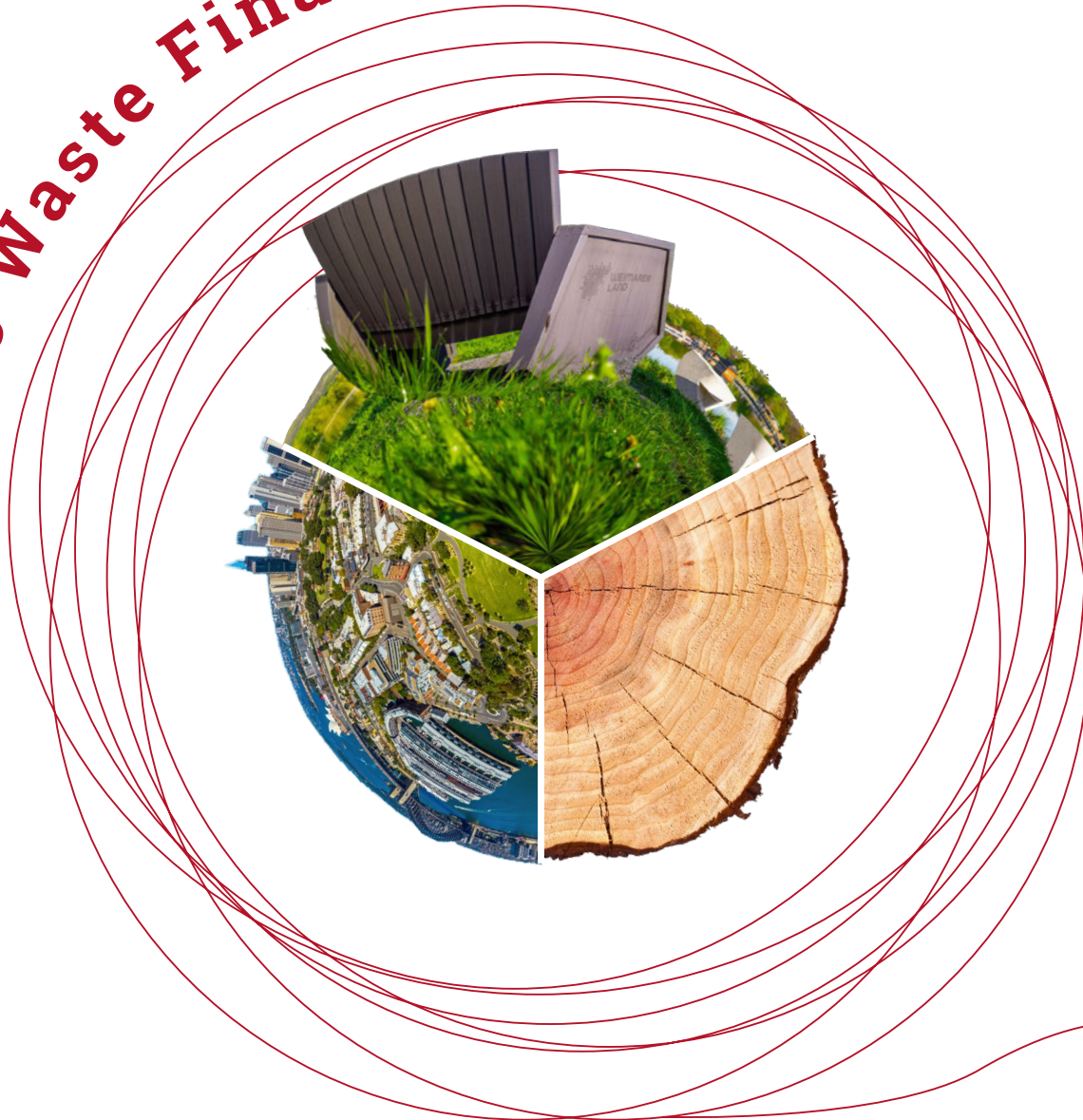


Zero Waste Final Level



SPORTS AND EVENT FLOORING |
OUTDOOR FURNITURE | DECKING |
PLAYGROUND EQUIPMENT | FACADE
| PV SUBSTRUCTURE |
CONSTRUCTION TIMBER



Wood + high-tech – the transformation from raw material to material.

GCC is more than just a wood-based material. With up to 75% natural fibres, combined with the latest polymer technology, we have created a material that combines durability with material health and environmental compatibility. Robust, recycled, climate-positive – for a future that is fair to all generations. 100% produced in Germany with clean, inexhaustible energies.

Every material contains valuable resources that are too good to be incinerated at the end of its useful life.

In a world in which raw materials are too valuable to waste or even destroy, we rely on a circular economy. Something great is created from the remnants of the timber industry: a material that can be kept in circulation for generations. Its name:

German Compact Composite – GCC.

GCC
German Compact Composite





Building for the future – long-lasting, low-maintenance and carbon-storing.

Whether floor surfaces, furniture or facades – megawood® products are made to last for generations, while retaining the look, feel and smell of natural wood. They stand the test of time, are easy to maintain and are fully recyclable. Reuse in the material cycle ensures the permanent storage of carbon. This is ecological and responsible construction!

The end is just the beginning...

When the time comes, we take back GCC products. They are shredded, recycled and reused for new products. Nothing is lost, everything is reused without burdening the earth with further consumption of raw materials. In this way, today's material becomes tomorrow's raw material – and far beyond. We even offer a take-back value for this. **GCC – the material full of possibilities.**



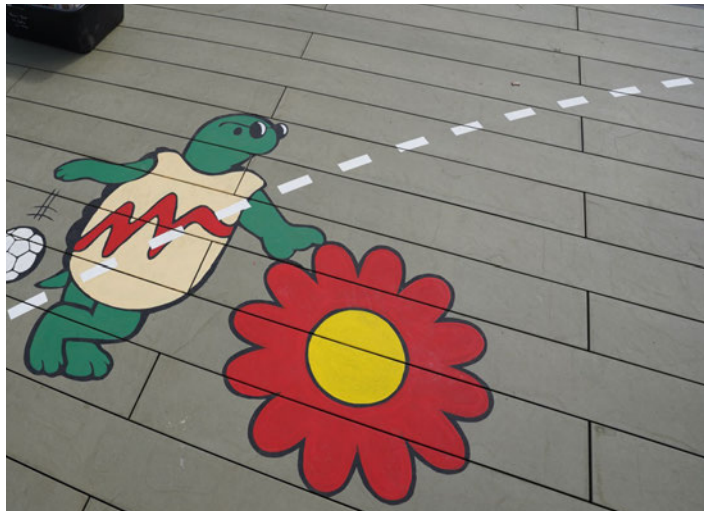


Urban event spaces that bring joie de vivre

Safe and durable for every type of event.

With megawood® sports flooring, local authorities can create urban event spaces that promote sport and a sense of community. This innovative sports floor is surface-elastic and offers the perfect conditions for ball sports and outdoor events - whatever the weather. The GCC surface combines the look of parquet with outstanding durability and ease of maintenance. Up to 75% of the materials come from sustainable timber production and are manufactured in Germany. Thanks to its high durability, easy cleaning and complete recyclability, megawood® sports flooring offers a future-proof solution for local authorities who want to actively shape their environment and protect it at the same time.







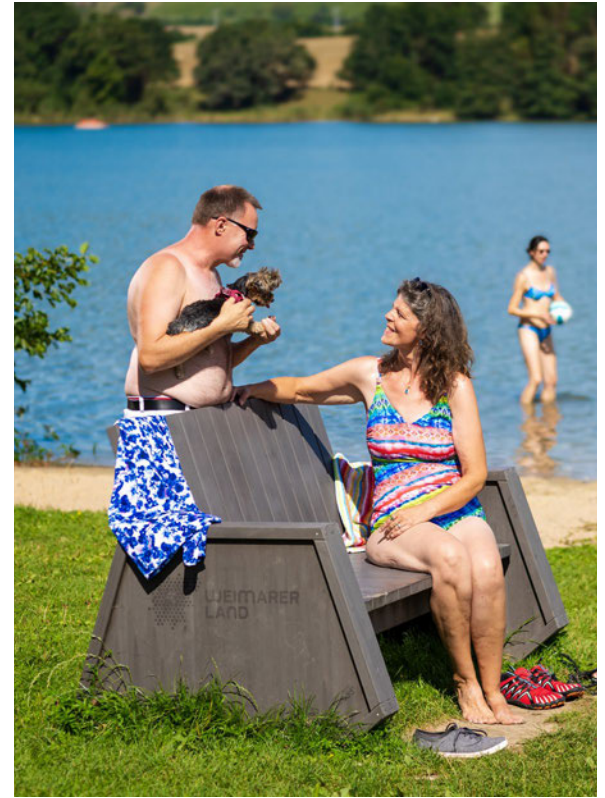
Design award-winning outdoor furniture with 30 years service life

Open-space furniture with CO₂-Depot

The outdoor furniture from megawood® combines timeless aesthetics with sustainable circular design and brings the Bauhaus design language back to its origins. For local authorities, this not only means a stylish upgrade of public spaces, but also a long-lasting, climate-friendly solution. Made from cradle-to-cradle certified material and produced in a CO₂-neutral way, this furniture actively stores carbon in the long term. Their robust construction guarantees an impressive lifespan of up to 30 years, sustainably reducing maintenance requirements and costs. An investment that both protects the environment and eases the burden on municipal budgets in the long term.

Photos: © Weimarer Land Tourismus e.V.





New European Bauhaus



Deutscher Tourismuspreis 2024
Nominiert



Green Product Award
Nominee 2023



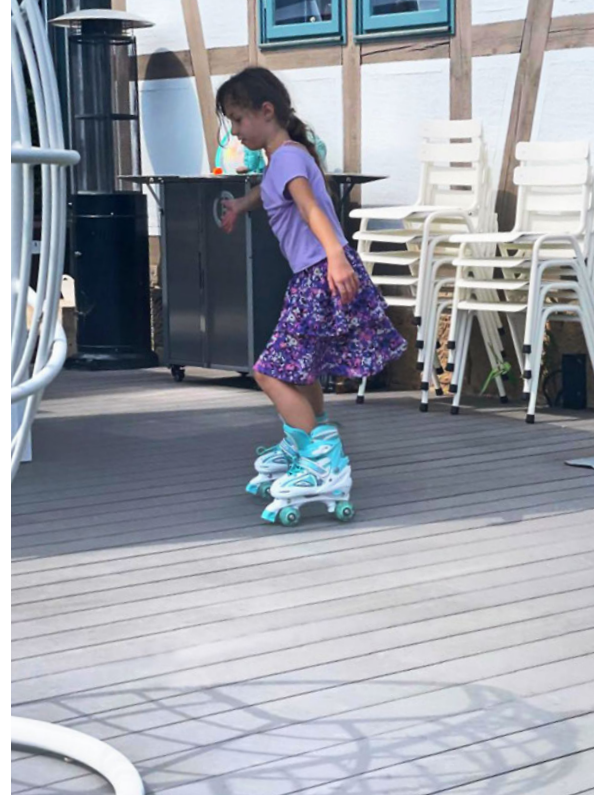
Roller skating on the terrace

Minimal maintenance
with up to 30 years durability

Whether for roller skating, skateboarding or other activities, megawood® decking combines robust durability with modern design and provides optimal grip on a smooth, safe surface. They can withstand intensive use with ease. There is no risk of injury from splinters. Of course, the planks are weather resistant, which means they can be used all year round without hesitation. Thanks to the consistent colouring, the material retains its beauty permanently – without any expensive after-treatment. With megawood®, you not only create low-maintenance, but also sustainable and dynamic outdoor areas that set standards.

Photos: © Heiko Rittweger







Playground equipment for generations

What is possible is buildable.

megawood® play equipment stands for the highest safety and healthy materials. Whether it's a sandbox, a rocking horse, a climbing pyramid or an entire playground, the versatile GCC engineered wood product makes all ideas a reality. The pollutant-free material meets the highest standards of robustness and durability without containing any harmful substances. Weatherproof and dimensionally stable, the play equipment retains its quality and appearance for many years. With megawood®, play areas become inviting, long-lasting and sustainable meeting places for children and adults.





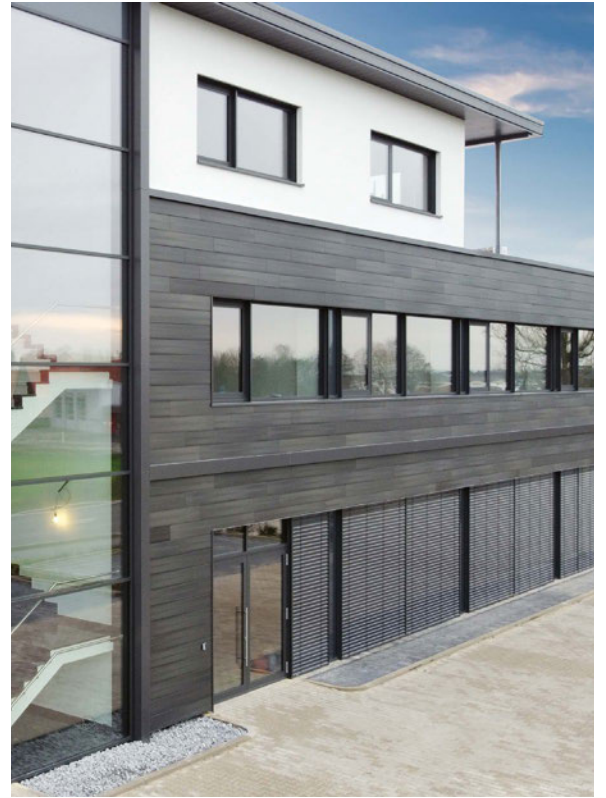
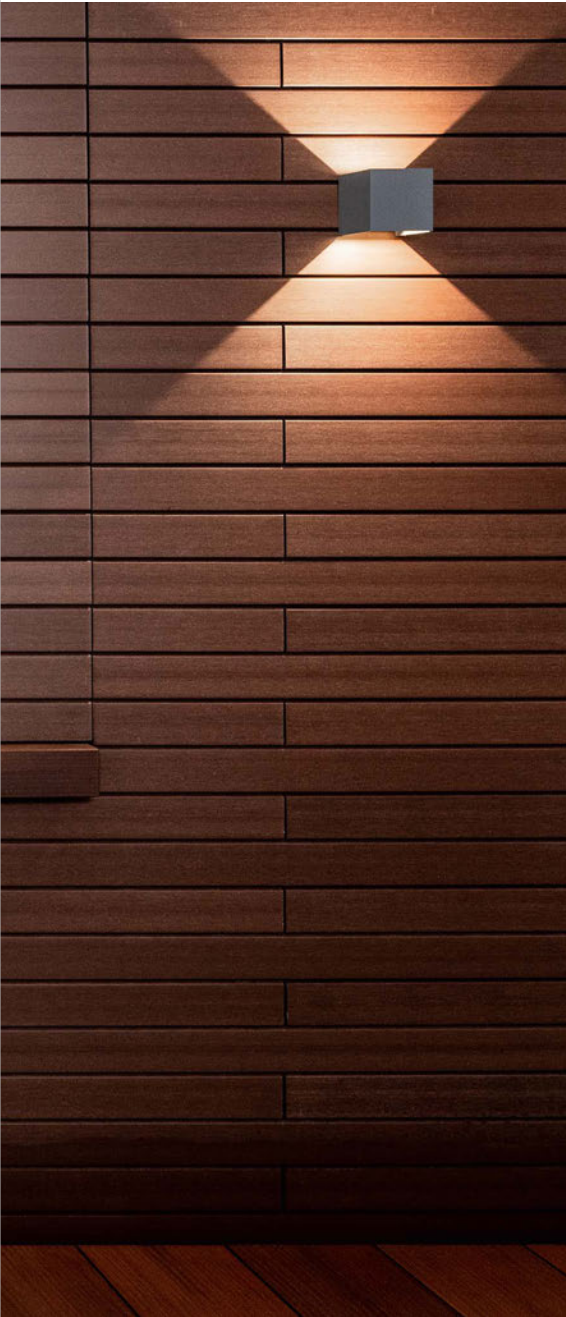


Facades with a positive CO₂-footprint

Highly-flexible system with lasting value

Understated beauty that captivates the eye and gives modern buildings an elegant, natural look. The megawood® cladding system impresses with its versatile structural advantages and adaptability. It is perfect for accentuating surfaces and shapes. The innovative, recyclable stainless steel substructure and the simple click system enable installation with few tools and can be done by a single person. Thanks to the flexibly adaptable panels and the quick installation, the megawood® facade system ensures efficient construction processes – ideal for large projects and sustainable architecture.







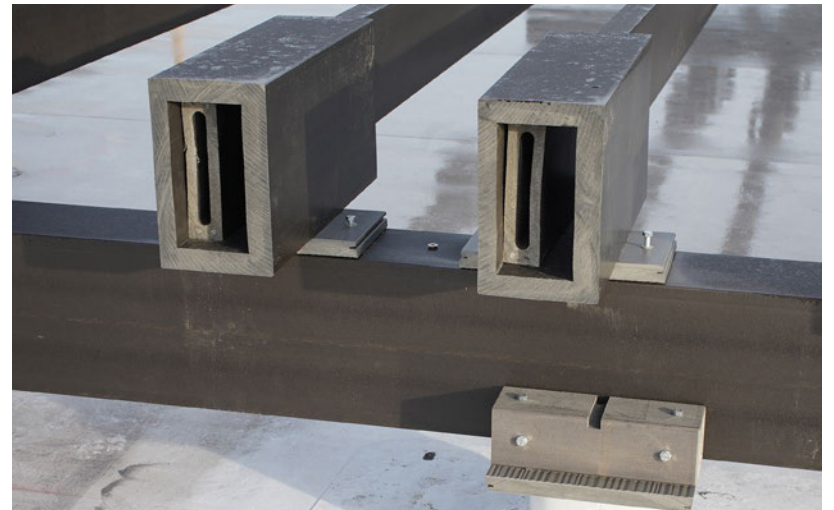
PV systems that were previously impossible

Sub-construction for difficult locations

With the innovative substructures from megawood®, PV systems can be installed in previously unused locations. In contrast to conventional systems made of aluminium or steel, the GCC constructions serve as a carbon depot for future generations and thus offer a climate-positive approach.

The self-supporting profiles are particularly flexible and do not put any strain on the roof cladding or the roof panel construction, which makes them ideal for sophisticated building structures and agricultural areas. Whether it is an urban rooftop system or a large-scale solar field, megawood® creates new perspectives for green energy and a sustainable future.



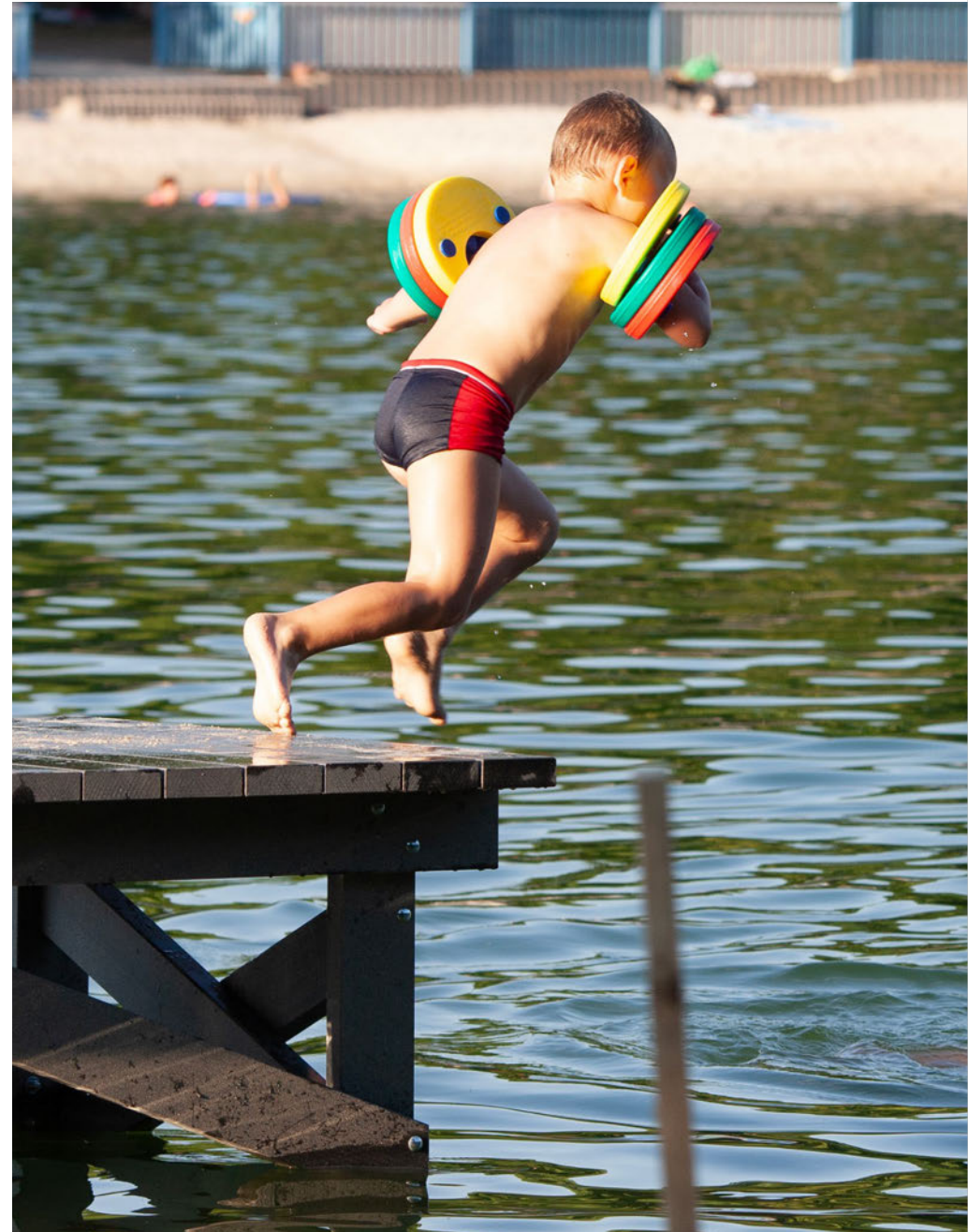


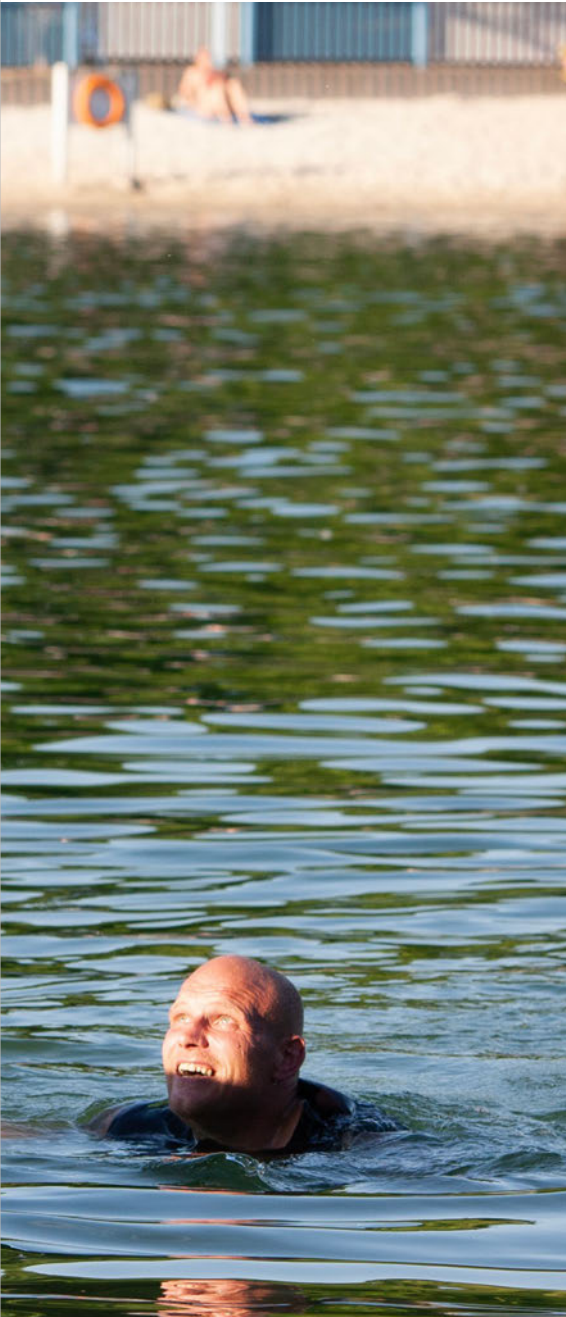


Construction timber for maximum design freedom

Building without limits – for endless ideas

megawood® construction timber opens up numerous possibilities for individual projects in your community. The sturdy and weatherproof posts and planks are available in different versions, sizes and colours, offering you flexible design solutions. Whether you use prefabricated complete kits or want to implement your own creations, GCC's megawood® brand ensures long-lasting and durable structures. And the best thing is that if your requirements change, the elements can simply be reassembled and reused.







A step-ahead with a circular-flow Cradle to Cradle Certified® material

GCC (German Compact Composite) is a Cradle to Cradle Certified® wood-based material that contains up to 75% natural fibres in its basic recipe – a uniquely high proportion worldwide. Wood fibres are therefore the focus! This material is supplemented by high-performance polymers made from recycled plastics from first industrial applications.

GCC	GOLD	PLATIN
Material Health*		
Product Circularity		
Clean Air & Climate		
Social Fairness		
Water Management		

*GCC HOLZart achieves PLATINUM, GCC HARZart achieves GOLD in material health



For more information on certification, visit www.megawood.com/en/c2c

Cradle to Cradle Certified® is a registered trademark of the Cradle to Cradle Products Innovation Institute

In addition to wood, we only use the most necessary additives and ensure that everyone contributes to material health and recycling. For some products, we replace part of the formulation with recycled resin to achieve special product properties. Our two material variants, GCC HOLZart and GCC HARZart, are designed and manufactured to meet the extremely high requirements of the Cradle to Cradle Certified® product standard. With certification at the Gold level, GCC is one of the few building materials worldwide to meet this level. GCC HOLZart even goes one step further: in addition to the comprehensive analysis, the substances used in the manufacturing process have been optimised to minimise environmental impact and measures have been implemented to reduce emissions in the supply chain. As a result, it has even achieved Platinum level in the Material Health category – a symbol of the highest ecological responsibility.



CONSUMER, HOUSING AND MATERIAL HEALTH.

GCC is produced without the use of harmful chemicals. All ingredients are recorded throughout the supply chain and analysed for their impact on human health and the environment.



CIRCULATION

GCC is a closed-loop system. The components are designed to be used as technical nutrients for new products.



CLEAN AIR & CLIMATE PROTECTION

GCC is produced in a climate-friendly way. The entire operation is supplied with green energy.



SOCIAL RESPONSIBILITY

Business processes are designed responsibly and ethically to have a positive impact on people and the environment. Human rights and the integrity of natural systems are respected.



WATERMANAGEMENT

Water is recognised as a valuable resource. All waste water from the production process is of drinking water quality and water catchment areas are protected.

Giving back is the future

We have designed our products to be circular and want to position ourselves as pioneers of the circular economy.

Our usage contract is an alternative to the classic purchase contract. This is a contractually agreed return to maintain the material flow.

Both sides benefit from the resulting commitment and contribute to the conservation of resources. The usage contract can be concluded directly through our specialist dealers.

- Up to 30 years of producer responsibility
- Guaranteed product returns
- No disposal costs
- 200 euros cashback per tonne of material





Ready for the tendering criteria of the future

The use of Cradle to Cradle Certified® materials, which are also recognised by DGNB and GreenSign Circular, makes construction projects fit for the tendering criteria of the future. Through their circularity, material health and conformity with the requirements of the EU Green Deal and the EU Taxonomy, they meet the growing sustainability requirements. These certifications offer a clear competitive advantage in tenders, as they serve as proof of ecological and process quality.



The Cradle to Cradle Certified® Gold standard meets the strict requirements of the DGNB in the categories of ecological and process quality and is recognised for their evaluation. Construction projects that use GCC as a material benefit from additional points in the DGNB system for new buildings, as the material health and circularity of GCC are particularly valued. The megawood® licence agreement ensures that the materials are taken back, thus supporting the complete closure of the cycle, which has a positive impact on the assessment.



Cradle to Cradle Certified® is also recognised as part of GreenSign Circular certification for both new buildings and renovations, as well as for interior furnishings. GCC thus also meets the high requirements of this certification and improvement programme. It assesses the conformity and effectiveness of circular construction based on the criteria for circular design, procurement and construction in line with the requirements of the EU Green Deal and the EU taxonomy requirements.

CRITERIA FOR CLOSED-LOOP PLANNING, PROCUREMENT AND CONSTRUCTION

according to EU Green Deal and EU taxonomy requirements (as of June 2024)



CONSUMER, HOME AND MATERIAL HEALTH

Eliminating Pollution
Safe and Sustainable by Design (SSbD) Framework
REACH Compliance (Regulation (EC) No 1907/2006)
Chemicals Strategy for Sustainability towards a Toxic-Free Environment



CIRCULATION

New Circular Economy Action Plan (CEAP)
Investing in the Circular Economy
Safe and Sustainable by Design (SSbD) Framework
Ecodesign for Sustainable Products Regulation (ESPR)
EU Bioeconomy strategy



DECARBONISATION BUSINESS & PRODUCT

The European Climate Law
Renovation Wave
EU Energy System Integration Strategy
Carbon Border Adjustment Mechanism
Clean, Reliable, and Affordable Energy
Clean Vehicles Directive (CVD)
EU Bioeconomy Strategy



HIGHEST SOCIAL STANDARDS

Just and Sustainable Economy:
Companies to respect human rights and environment in global Value Chains
Just Transition Mechanism (JTM)
Corporate Sustainability Due Diligence (CSDD)



BIODIVERSITY/WATER & SOIL

Eliminating Pollution
Zero Pollution Action Plan
Chemicals Strategy for Sustainability towards a toxic-free environment
EU Biodiversity Strategy for 2030
EU Bioeconomy Strategy
Farm to Fork Strategy
Common Agricultural Policy (CAP)
EU-Deforestation Regulation (EUDR)

CLASSIFICATION CRITERIA OF THE EU TAXONOMY

Climate protection

Climate change adaptation

Sustainable use and management of water or marine resources

Transition to a circular economy

Prevention or control of pollution

Protection and restoration of biodiversity and ecosystems

GREEN CLAIMS DIRECTIVE (GCD)



Long-lasting quality that pays off

Our products made of GCC are designed to be low-maintenance and do not require disposal.

Thanks to their special material properties, their useful life outdoors is extended from about 10 to up to 30 years.

This sustainably reduces the consumption of resources and leads to significant cost savings over the entire life cycle.

The exceptional durability and quality of our products are not only guaranteed by the innovative material design, but also by independent certifications. The PEFC certificate guarantees that the wood fibres used come from sustainably managed forests. In addition, independent testing authorities monitor the entire production chain, from raw material to end product.

The quality seal of the Qualitätsgemeinschaft Holzwerkstoffe e.V. (Quality Association for Wood-Based Materials) confirms that strict criteria in the areas of durability and safety of use have been met. In addition, tests conducted by the independent EPH laboratory in Dresden prove that our products meet the strict European standards for toy suitability. Our exclusive production in Germany fulfils the highest environmental and social standards, certified according to ISO 9001 and 50001.

EXAMPLE

CONVENTIONAL BENCH MADE OF CONVENTIONAL MATERIAL

Ø 10-year shelf life
Resource and emission intensive

Total costs for 3 x 10 years:

9.600 €

BENCH MADE OF GCC

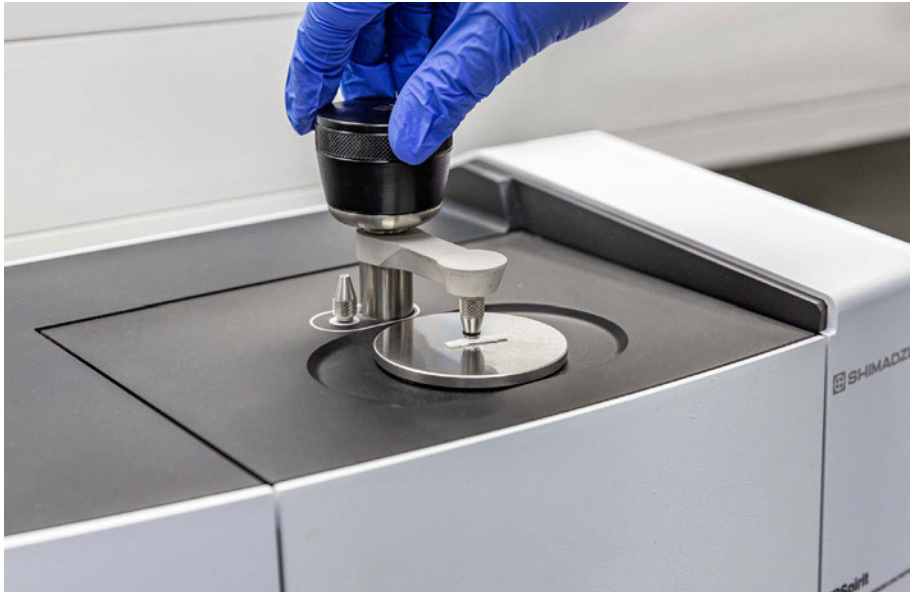
Ø 30-year shelf life, recycled and binds CO₂ from the atmosphere over the long term

Total life cycle costs over 30 years:

3.200 €

Our products meet the highest standards.





Let's get started now!



You can find further
information at:

megawood.com/en

Contact Person

Agnes Wolf
Head of Sales

tel.: +49 34 73 / 225 03 - 431
e-mail: a.wolf@novo-tech.de

NOVO-TECH Trading GmbH & Co. KG

Siemensstraße 31
D-06449 Aschersleben

tel.: +49 34 73 / 2 25 03 - 0
e-mail: info@novo-tech.de