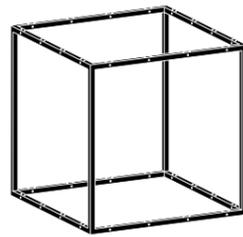# GRID & Sustainability

September 2020

□ GRID □
Design by Peter J. Lassen

Making Space Work

Adaptable. Durable. Elegant.

GRID keeps things simple, and this includes our approach to sustainability. Our modular and flexible solutions are responsibly produced and made to last – even as your needs change.

GRID is made to be used, reconfigured and reused again for years to come.

The solution is simple.
The possibilities are endless.

GRID is committed to environmental awareness and sustainability. This consciousness characterises everything from our development and production to our packaging and distribution. Sustainability is a part of GRID's core concepts: DURABILITY AND REUSABILITY.

Designed to last for decades

GRID is a high quality, modular system with a durable design. Over the years, GRID has been used across industries and interior projects as a multifunctional and elegant solution. The modular design is easy to adapt and offers endless interior possibilities. For example, you can create a room divider, storage unit, counter, display wall, bench, table or art installation and combine multiple functions in one flexible configuration.

The lightweight basic modules are the building blocks of the system. Once the structure is in place, other GRID components can be added, such as shelves, side panels, drawers, cupboards, hangers, cross braces, whiteboards, corkboards, magazine shelves, upholstered seats, box side panels, plant box inserts and more.

Proven durable

Even as your needs change, the durability of GRID remains the same. Strength and stability tests have been carried out according to the relevant furniture standards EN 14073-3, EN 15372, EN 16121, EN 16122 and EN 16139. This ensures that GRID products can safely meet a variety of furniture uses. Our products have also been tested for hard use in public environments.

GRID is LEED v4 certified according to ANSI/BIFMA M7.1, a crucial step towards creating low-emission and environmentally friendly products. This guarantees minimum VOC emission for furniture while in use.

Modular and made to reuse

GRID is more than just a piece of furniture. GRID is a modular system, designed to be used and reused. The basic module is designed with mounting holes, making it easy to disassemble and reassemble its components when new inspiration arises. For example, you can rebuild your room divider into a seating unit and your personal storage units into stools and tables.

GRID modules are also weather resistant for outdoor use, so you can even turn your stools into garden benches. After years of use and reuse, the GRID module material can be recycled to create new products.

Easy to recycle

GRID components are easy to disassemble, making it simple to separate components such as nylon (PA6), wood and steel for separate sorting at the end of its life cycle.

The basic GRID modules can be broken down into granulate to be used in the production process of new products.

GRID production materials

The GRID system is based on two main materials: PA6 (nylon reinforced with glass fibre), used to produce the basic modules and MDF (PEFC certified wood) which is used for the shelves, side panels and other accessory components. Our materials comply with a range of environmentally friendly certifications, and we always strive to incorporate new green methods into our

production.

Nylon (PA6)

The core component is a 12 mm nylon (polyamide) 6 frame that is flexible and easy to maintain. Moulding the GRID module in glass fibre-reinforced PA6 gives us the possibility to combine a slim lightweight design with strength and durability. No need for repaint or repair, a white, grey or black frame holds the same colour throughout the material.

PA6 benefits
High tensile strength
Abrasion resistance
Elasticity
Barrier properties of films
Durability
Flexible design
Easy processing

One-step production

Producing the PA6 cubic frame is a "one step" production process, as only the moulding is required to create the finished product. This makes the energy demand for a GRID module very low. Materials such as steel, wood or aluminium require a number of additional production processes, such as extruding and cutting of profiles, welding, drilling, sanding and lacquering – each with an additional impact on the environment. In this way, PA6 is a more efficient material to produce and the process complies with REACH regulations (registration, evaluation, authorisation-, and restriction of chemicals).

Wood (MDF)

PEFC certified wood is used for components such as shelves, side panels, tops and bases. Our Lacquered MDF components feature a water-based lacquer to protect the external environment from solvents and promote a healthier indoor climate. Our MDF material is CARB II and TSCA certified. Our MDF is also EU Ecolabel certified across the product's entire lifecycle, from raw material extraction to production, distribution and disposal.

Textile

Kvadrat Messenger and Kvadrat Remix textiles are GREENGUARD GOLD® certified for enhanced indoor air quality and reduced exposure to chemicals. Remix is EU Ecolabel certified, and Messenger is primarily constructed from post-industrial recycled polyester.

Leather

The welfare of animals is fundamental to the quality of the leather materials used in our production. The leather we use is sourced solely from ethically and professionally trusted suppliers. The production of all leather used in GRID products complies with EU regulations, the strictest requirements in the industry, including REACH regulations (registration, evaluation, authorisation, and restriction of chemicals).

Foam

We use OEKO-TEX® certified foam that is locally produced in Denmark and is fire retardant according to British Standard BS5852.

Felt

All felt is made from 100% upcycled plastic bottle waste and is GREENGUARD GOLD® certified.

Danish design

Danish Designer Peter J. Lassen designed GRID in 2004 with a longstanding vision to create a modular system with unprecedented flexibility, adaptability, and durability. The concept was a long-lasting interior system that can be easily customised and reconfigured for new purposes. With roots in the classic Danish design tradition, the GRID product range reflects a modern Nordic style. For almost two decades, GRID has been used to make space work across a variety of industries worldwide.
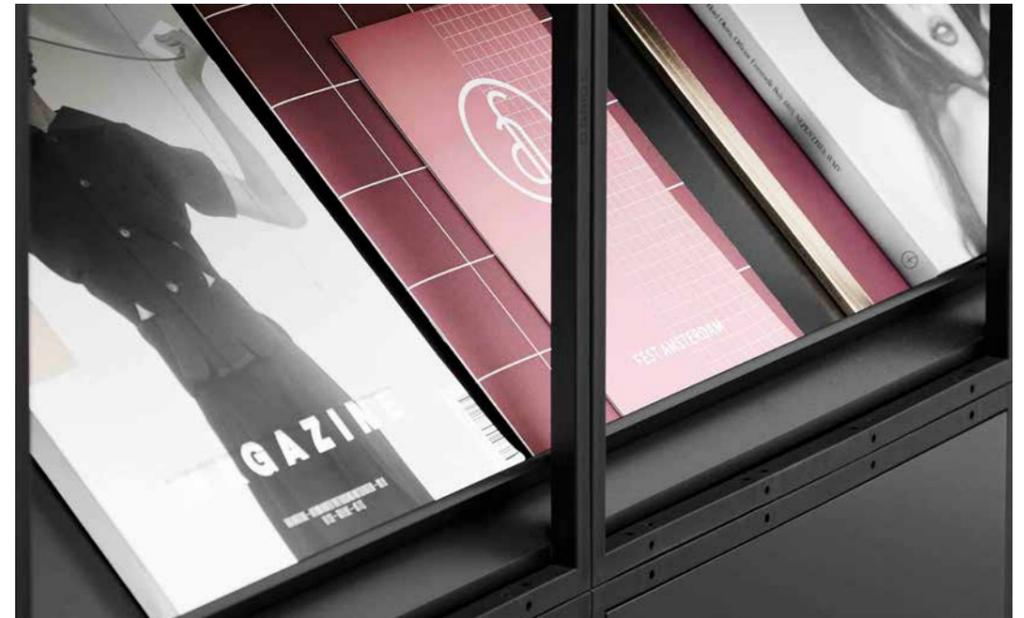
Made in Denmark

The majority of GRID components are produced in Denmark. We work with selected subcontractors who share our commitment towards simplifying our production process and reducing our environmental impact.

Sustainable packaging and safe delivery

We aim to minimise our packaging material while maximising safety during delivery. This ensures easy handling from door-to-door and helps avoid unnecessary packaging waste.

Our pallets are made from EMAS, FCC and PEFC certified wood and are heat-treated in accordance with ISPM 15. All of our cardboard is made from recycled or chain of custody certified paper.

Work Environment

Just as our design is flexible, so is our approach to our work environment, which is based on the philosophy of freedom with responsibilities. We work in a collaborative atmosphere and value a work environment that promotes both the physical and mental health of our employees. We use APV workplace assessments controlled by the Danish government and hold regular meetings with our employees to discuss overall workplace development and well-being.

Global Mindset

At GRID we operate internationally with a global outlook. Our clients are worldwide, highlighting the importance of our sustainable approach to packaging, safe delivery, assembly and reuse. We are conscious about promoting this holistic approach and we share a commitment towards the UN Sustainable Development Goals – particularly sustainable consumption and production (goal 12).

☐ GRID ☐

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