

# Timetable. Environmental Product Information.

design made in germany

# Wilkhahn



## Guidelines.

### Truthfulness in product design

We strive to develop lasting products, increase their utility value and reduce waste. "Less is more" or "reduce to the max" are the guiding principles that Wilkhahn continually translates into future contexts. Ecologically oriented design principles are a natural, integral part of product development.

### Fairness in cooperation

We focus on people. This implies a cooperative style of management that recognizes employees' representatives as being co-managers who share in shaping the company. Profit-sharing for employees, the development of new forms of work with partly autonomous group and project work, as well as a firmly established health management scheme mark Wilkhahn's social orientation.

### Ecological responsibility

Wilkhahn pursues the goal of sustainable development. Wilkhahn corporate culture is shaped by the balance that we strive to achieve between economic, ecological, social and cultural objectives for safeguarding the independence of the company. Adherence to environmentally relevant criteria throughout the entire product life cycle forms the basis of the way in which we judge our success.

## Wilkhahn at a glance – commitment statements, certification, awards.

UN-Global Compact, ISO 9001/14001, EMAS, GREENGUARD™ (certification in process), LEED, GECA

Sustainability:



UN Global Compact

Processes:



ISO 9001  
ISO 14001



EMAS

Product: Timetable

Certification  
in process

GREENGUARD™



GECA



Complies with the requirements for the following number of credits under LEED:  
LEED CI 5 – 7  
LEED NC 4  
LEED EB 7

**Timetable.**  
**A fascinating turn.**  
Design: Andreas Störiko

Fascinating solutions emerge, which pay off quickly, when aesthetic design is combined with intelligence. By means of an ingenious, patented pivoting and swivel mechanism, a Timetable table top can be pivoted along the horizontal axis with one simple movement, which automatically causes the foot sections to rotate. This allows tables to be moved easily, not only from room to room, but to be effectively compacted too. This is less strenuous for maintenance crews and reduces costs of acquisition and maintenance that would arise if additional rooms were needed for various applications.

The intuitive operation, high quality and aesthetic calibre of this original table have set a new, still unrivalled standard for dynamic furnishing of even large conference and seminar rooms.

## Milestones of socio-ecological development at Wilkhahn

**2008** The newly erected co-generator for combining power and heat at the Bad Münder site is powered by renewable raw materials and since 2008 it has ensured virtually CO<sub>2</sub>-neutral production

**2001** First company in Lower Saxony, Germany, to be certified in accordance with the European Environmental Standard of EMAS 2

**2000** Publication of the first sustainability report in the sector of medium-sized companies: Wilkhahn Added Values

**1997** Corporate Conscience Award of Council on Economic Priorities, New York

**1996** German Ecology Prize of the Deutsche Bundesstiftung Umwelt

**1995** Development and introduction of transport packaging; changeover in table lacquering to low-solvent, water-based lacquer

**1994** Preparation and implementation of a waste management concept according to the premises of recycling management

**1992** Introduction of the Picto swivel chair range as the first office chair in the world with a design concept integrating consistently ecological criteria

**1989** Start of "Wilkhahn Green" with a policy statement on ecology: "The Administrative Board and Management have decided jointly to take ecological matters seriously and, in case of doubt, to give priority to such over and above quick profit"

# Timetable. Environmental Product Information.

## Space-saving, repair-friendly and easy to recycle

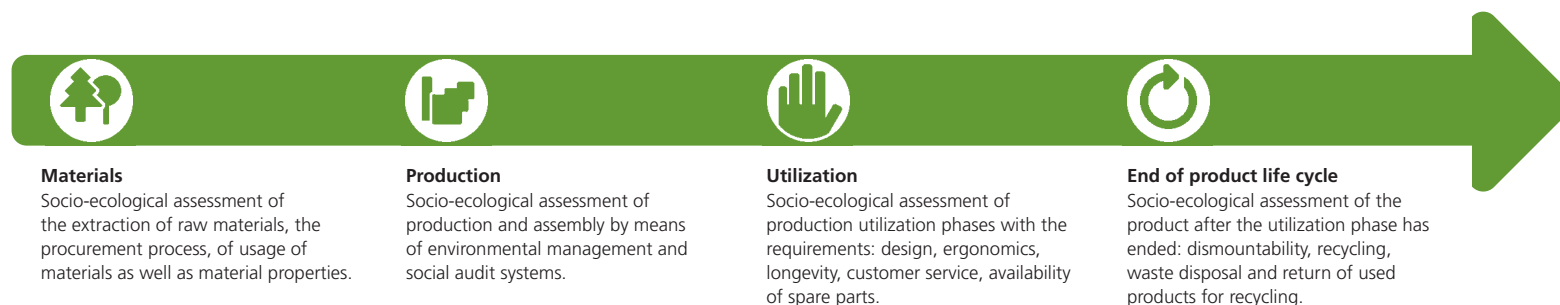
Using Timetable helps to achieve sustainable improvement of the entire eco-balance of a building: compared with the ecological acquisition, energy and maintenance costs of rooms that could be saved, the environmental impact of production and recycling materials in the material cycle is of hardly any significance. Besides, the table also meets all Wilkhahn-specific requirements for an ecologically responsible design concept:

- The design is time-stable and not influenced by fashion. Form and function are perfectly coordinated. All components are screw-fitted and can thus be repaired, exchanged and disassembled at the end of long service life and to a large extent recycled as one-type materials.
- The frame materials used combine high dimensional stability with robustness, perfect aesthetic workmanship and recycling aspects. The aluminium used for the modelled foot sections and the crossbeam, the steel of the uprights and the stabilizing core, and the zinc used for the patented mechanism are partly made from recycled material and can be returned to the material cycle in their entirety. The four lockable swivel castors and the guide rails of the pivoting and swivel mechanism are made from high-performance plastic and designed for maximum longevity.
- The table top in high-quality, E1 grade particle board with wood lipping is also 100% recyclable. Natural materials such as linoleum, laminates and real wood veneers are used to finish table tops. Veneered tops are protected with low-solvent, water-based lacquer. The integral, impact-resilient profile in polypropylene protects edges and helps prevent damage.

Like its "big brother" – the folding table from the Confair range – the Timetable range uses an innovative concept for high-density space arrangements that allows ecological and economic savings for office buildings over and above the ecological quality of the product.

## Responsibility from the very start – Wilkhahn Environmental Product Information.

The environmental impact of Timetable has been evaluated for the entire product life cycle – including the extraction of raw materials, manufacturing, utilization and waste disposal – on the basis of a life cycle analysis and assessment (LCA).

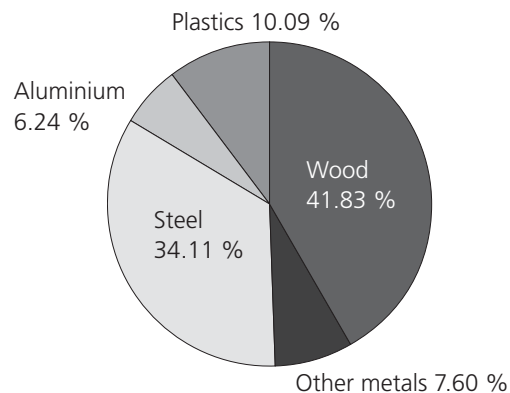


### Materials.

#### Material composition

(Size 75 cm x 150 cm · 29½" x 59")

	kg	in %
<b>Metals</b>		
Steel	14.76	34.11
Aluminium	2.70	6.24
Others	3.29	7.60
<b>Plastics</b>		
Polypropylene	0.94	2.17
Nylon	1.97	4.55
Others	1.46	3.37
<b>Wood</b>		
Particle board/MDF panel	16.20	37.44
Veneer	1.90	4.39
<b>Total weight</b>	<b>43.27</b>	<b>100</b>



The total weight of the table is 43.27 kg. The materials used for Timetable tables are subject to stringent control. An ABC analysis is used to examine substances contained in these materials in terms of environmental and health compatibility. Prohibited chemicals are not used in the product at all.

All manufacturing supplies are contained in a register of hazardous substances that forms a basis for further minimization or substitution in the case of potential problematic substances.

### GECA

Wilkhahn Timetable is certified according to the Australian environmental label GECA (Good Environmental Choice Australia).

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Architectural environment



Co-generator powered by renewable raw materials



## Production.

### Water pollution control, waste management and sustainable production of energy

Water is becoming an increasingly important resource. Wilkhahn spares no effort to minimize water consumption in production and to ensure that water quality is not impaired. Due to the treatment of process water, the quantities of waste water requiring special supervision has been reduced by 80 per cent.

The Wilkhahn waste management concept embraces sorting waste according to one-type materials, recycling and disposal of all fractions of waste resulting from production and administration.

The newly erected co-generator for combining power and heat at the Bad Münde site is powered by renewable raw materials and from 2008 onwards it will ensure almost CO<sub>2</sub> neutral production

### Wilkhahn production sites

Wilkhahn Timetable tables are produced and assembled in Bad Münde (Germany), Castellon (Spain) and Sydney (Australia).

### Environmental management system

All Wilkhahn sites work in conformity with a uniform environmental management system that is validated at the Bad Münde site (Germany) and certified in accordance with EMAS ISO 14001.

### Process safety and quality management

Both the main Wilkhahn production site and all European sales offices are certified in accordance with ISO 9001. When selecting suppliers, Wilkhahn assigns great value to a comprehensive and viable quality management system.

**ILO:** All Wilkhahn production facilities guarantee compliance with labour and social standards as required by the ILO (International Labour Organization). Such compliance also forms the basis of cooperation with suppliers. The ILO is primarily concerned with the formulation and implementation of international labour and social standards, particularly core work standards that ensure social and just interpretation and application of all aspects of globalization, as well as the promotion of decent work.

### Employees as partners

Top performance requires a potential-oriented corporate organization with flexible working hours, a bonus scheme, and group and project work. In turn, all employees share in corporate success in material terms. They have a comprehensive pension scheme; they are at the heart of company health promotion measures and they work in an environment that, by taking groundbreaking steps in industrial architecture, strives to achieve a synthesis of social, ecological, economic and aesthetic needs.

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## Use.

### Aesthetics and design

Sustainable products must be purposive. The timeless aesthetics of the Timetable range result in an increase in utility value in terms of enduring use. The intuitive operation, high quality and aesthetic calibre of Timetable models provide all necessary prerequisites for optimal support of dynamic conferences, whilst saving both space and time.

### Longevity and guarantee

The Timetable range was launched in 2000. Since then, more than 56,500 Timetable folding tables have been sold throughout the world. Timetable sets standards for product design that is "sustainable" in the most optimal way. The durability of the high-quality materials used, the innovative table concept and the classic design guarantee usability for many decades. We give a two-year manufacturers' guarantee which thus provides a serious planning and specifying timeframe. We can vouch for this regardless of the long product service life entailed. We regard guarantees over and above such timeframes as an investment in the future. Our service in terms of "ecological prolongation of service life" includes general overhauling and maintenance of older tables. Wilkhahn offers repair service for furniture units no longer produced for two further years following discontinuation. Being on the market for a long time, overhaul service and the high durability of Timetable tables mark key aspects of Wilkhahn product philosophy.

### Air quality and emissions of pollutants

Tables from the Timetable range do not emit any concentrations of gas that are harmful to the environment or to health. Products from the Timetable range are currently being certified in the USA in accordance with GREENGUARD Indoor Air Quality™. GREENGUARD™ is a certification programme for low emitting products.

## LEED

Tables from the Timetable range support companies by allowing credit points to be achieved in the case of potential LEED certification (U.S. Green Building Council's Leadership in Energy and Environmental Design). Buildings in the USA are evaluated according to this system in terms of their ecological and social impact.

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## End of product life cycle.

### Return of used products and recycling

Our responsibility does not stop at the end of the utilization phase of a product as we offer our customers extensive services for taking back and recycling used products. We guarantee that used products may be returned in their entirety. The tables are dismantled at our plant, all components are sorted according to one-type materials and – if possible – are recycled. Due to the clear marking and identification of all materials, due to their nontoxicity and due to easy dismantability, we can today ensure that the components of a Wilkhahn product are returned to both decentral and local material and production cycles and are properly recycled and, if necessary, disposed of. This serves to reduce energy-intensive (and thus ecologically questionable) return transport over long distances.

### Disassembly and recycling

All components of the Timetable table permit non-destructive disassembly. All components weighing more than 150 g bear a material identification mark to ensure that materials can be sorted according to a single type. No material protecting agents or halogen-organic combinations are used that prevent subsequent recycling. A total of 80% of components of the table can be recycled.

### Returnable transport packaging

Returnable transport packaging made from renewable raw materials is used for Timetable tables that can be reused, recycled or composted.



### International awards

2001: Internationaler Designpreis (International Design Prize) Baden-Württemberg, Design Center Stuttgart

2002: Roter Punkt für hohe Designqualität (reddot for high design quality), Design Center NRW

2002: IF Product Design Award