

Wood

Every piece of furniture by ZEITRAUM is unique. The wood for each piece is individually selected and brought together to render it unique in terms of color and grain.

Commitment to the environment

Ecological action generates living-quality. For us this means being at one with our natural environment and making it a sensual experience. We use only deciduous, healthy hardwoods from renewable forests – beech, oak, ash, maple, cherry and walnut with no chemical treatment of the wood. The surface finishes of our furniture has to look good, feel smooth and smell natural. We have to work hard to achieve this: the finely sanded surfaces are primed with oil and/or beeswax balsam. This open-pore treatment allows the wood to breathe, absorbing and dispensing moisture from its surroundings. The majority of our producers are located less than 250 kilometers away from ZEITRAUM. They all procure local timber from the woods nearby to guarantee short transportation and delivery routes as well as close communication and cooperation with ZEITRAUM. We foster and promote long-term and reliable partnerships with them. All the wood used by ZEITRAUM originates from forests that comply with the sustainability standards.

MDF

MDF is a solid homogenous material that can be sawn and sanded like wood. Waste from the timber industry and recycled wood is shredded, mixed with resin glue and pressed under heat to form boards. Emission class 1

Chair shells – PEFC certification

Our supplier for shaped woods was the first one in Germany to receive the PEFC certificate. Sustainable forest management according to the PEFC is in harmony with nature. It protects our woods whilst simultaneously providing the ecological commodity timber in a sustainable manner.

www.becker-kg.de

Veneers

The thick veneer surfaces ZEITRAUM applies, for example on the PJUR 4.0 and BLOQUE 4.0 are 4 mm strong wooden sheets that are cut from the trunk of the tree. They are then glued on to the substructure, which in this case are chipboard panels. Thick veneer is considered one of the most refined wood products. As thick veneer is also real wood it carries a high value, with almost all types of timber being suitable for the production of veneer.

Kraftplex – 100 % Cellulose

The versatile material consists of 100 % cellulose but combines the characteristics of metall, composite materials and plastics. It is stabil, flexible and durably shapeable like metall sheets. The characteristic of being electrically isolating makes kraftplex too a good alternative to conventional plastic sheets. It can be cut (with laser and water-jet), drilled, perforated and adhered. The material can be used with paints, varnishes, oils, waxes and adhesives and can be printed.

www.well.de

Textiles from Kvadrat – EU Flower Ecolabel

The flower is the EU's ecolabel. All processes, from the "cradle to the grave" are examined, i.e. the rearing of the sheep, the production through to the finished goods as well as their qualitative properties. Kvadrat textiles are professionally produced with due consideration of the product and the environment. The following upholstery complies with the EU Ecolabel "The Flower": BASS, MAGENTA, PERLA 1+2, PURE, REMIX, STEELCUT, STEELCUT TRIO, TOPAS. See more Environmental benefits of Kvadrat fabrics on

www.kvadrat.dk

Textiles from Rohi – wool quality craftsmanship

For over 75 years Rohi has been developing and producing first-class woolen fabrics. Rohi textiles are made from exquisite Merino wool, which in itself is a natural and renewable raw material. It is a fiber that comes naturally with all the properties crucial for an upholstery material for furniture. Not only is it extremely once extremely durable and

tough, adapts to different climatic conditions and is easy to care for as it is as soft and lovely to touch. For dyeing rohi uses only color pigments free from any harmful chemicals or those that could trigger allergic reactions. This way Rohi generates added value for its customers' products and makes a contribution toward environmental protection.

www.rohi.com

Leather from Elmo – chromium free tanning

Elmo takes good care of ecological principles during all stages of production. Starting from the animal husbandry, their transport, reduced water and energy consumption during manufacture right through to the chromium-free tanning of the leather. The leftovers accumulated during production are forwarded to farmers nearby to be used as environmentally-friendly fertilizer or to energy producers for energy extraction.

www.elmoleather.com

Leather from Reinhardt

The leather Jepard from Reinhardt is an vacuumed, fine grain, natural leather with wax feel and light pull-up-effekt. The leather becomes an high-value nappasoft mineral tannage and is dyed-through in the drum, with high-class dye stuffs. High-value fat stuffs gives the leather a comfortably, high and "greasy" feel. The leathers are being produced ecologically safe, according to laws and regulations, without AZO colours.

www.leder-reinhardt.de

Ceramics

Our ceramics for the APU sidetables are manufactured in Italy. Made with quality clay directly from Italy it is carefully crafted with the raw material cast into a plaster mould before it is fired twice in the kiln. In between the two firing steps a white glazing application refines the product.

Lacquered iron

For the NOON lamp series we work with iron as it is the only base material capable of retaining the necessary stability and filigree form of the NOON lamps. The use of iron goes back to the time 4,000 B.C.E. and it has come to constitute an indispensable construction material. When deployed in the right ratio, iron is one of the most natural of raw materials. It has a positive effect on the well-being of house inhabitants as the iron's material strength has a subtle effect on humans and gives us a thirst for action, a daring spirit and stamina for work.

To protect both the environment and the employees during the processing of the iron the surface treatment has been improved. A Swiss-made filtering system filters out all remaining lacquer particles during the application.

Vegetal paper and viscose

In the production process of the warmgrey and black lampshades we use vegetal paper inside and outside a textile material called Arenal which consists of 75% viscose and 25% polyamide. So 90% of the textile lampshades are made from natural materials. Arenal is available in various colors.

The white lampshades are made from Lamitex, which is smooth and uniform on its surface.

Lamp

For the lamp series NOON we recommend the lamps HALOGEN ECO „Classic Light“ by Osram.

These bulbs in the classic drop shape with the E27 screw cap are a 1:1 – alternative to traditional light bulbs. They provide an equally attractive, pleasant light with natural color rendering and constant brightness – however, their ecological value is significantly higher, their endurance is twice as long and they are more environmentally friendly. The lamps instantly deliver their full light without any delay, can be dimmed 100 percent by all customary household dimmers and do not contain any mercury whatsoever.

www.osram.de

PU-foam

The foam we are using is a CFC-free MDI-polyurethane system. Unlike TDI systems the production of MDI systems is not harmful to health.

In the composition of our systems, special attention was given to cutting down the number of substances (catalysts etc.) to as few as possible. The same system recipe is deployed in medical applications such as headrests and X-ray supports.

The polyurethane foam selected for the MORPH LOUNGE carries an elastic metal inlet inside and holds a wedge-shaped profiled cut foam inlet that gently adjusts the seat's hardness.