

# Distinctive contract chairs created from renewable raw materials

A cooperative project for Orgatec 2014 of





Hiller

Featuring expressive natural materials, comfortable functionality and lightweight construction, the latest contract chairs created by Hiller Objektmöbel GmbH lend a certain touch to interior spaces. Working together with BARK CLOTH\_europe und BASF SE, innovative material studies were developed from renewable raw materials for the new steel-tube chair **atlanta 2.0** and the proven **logochair swing** models for the special "Smart Office Materials" exhibition at Orgatec 2014, the international trade fair for offices and facilities.

> These models combine a unique surface texture with elegant design and a high degree of comfort. A natural fiber composite produced with BASF's low-emission binding agent Acrodur<sup>®</sup> provides a comfortable shell which is both extremely stable and flexible. These stylish chairs owe their unique and unmistakable character to their surface of Bark Cloth's BARKTEX<sup>®</sup> tree bark fleece. The cloth is harvested from the bark of the Ugandan fig tree and finished by hand. Consequently each chair is an individual item which meets nowadays demands for individuality, comfort and sustainability.



atlanta 2.0 – the chair is developed from the tried and tested atlanta steel tube chair (design: Charles Polin)



Freedom of movement with exclusive design – The cantilever **logochair swing** with a comfortable shell made from Acrodur<sup>®</sup> natural fiber composite

### atlanta 2.0

The **atlanta 2.0** is making its first appearance at Orgatec 2014. This chair is developed from the tried and tested **atlanta** steel tube chair by Hiller Objektmöbel (design: Charles Polin).

One of the main enhancements of the **atlanta 2.0** is the seat shell incorporating nine laminated layers with 3D ergonomics for added comfort, in this case made from Acrodur<sup>®</sup> natural fiber composite. This ensures the chair is extremely stable and comfortable to sit on. The shape of the classic chair's frame has been refined, giving the **atlanta 2.0** a very delicate appearance. 18 mm diameter round steel tubing (2 mm thick wall) delivers high stability yet lightweight construction.

The ganging component, available as an option, has been considerably reduced and fits discreetly into the overall appearance. The **atlanta 2.0** can be fitted with arm rests on request.

### logochair swing

The combination of motion, stability and pared-down style make cantilever chairs fascinating items of seating furniture. To the present day, the chair whose frame absorbs the movements of the person sitting in it symbolizes the union of cutting-edge and timeless design.

The cantilever **logochair swing** (design: Charles Polin) is ideal as durable commercial seating: The invisibly connected shell offers ultimate stability together with the highly flexible and filigree chrome frame, while never compromising on design. The cantilever **logochair swing** is available in stackable and non-stackable versions. No two cloths are the same and each offers a virtually unlimited range of possible finishes – from a host of different soft natural tones to colorations in striking patterns and colors. Depending on the lighting and the angle from which it is viewed, the soft material conveys the impression of leather or the lightness and translucency of delicate fleece fabrics.



### BARKTEX® tree bark

fleece surface

The chairs were finished with BARKTEX<sup>®</sup> tree bark fleece from the German-Ugandan family venture BARK CLOTH. The BARK CLOTH<sup>®</sup> is harvested from the permanently renewable bark of the East African "Mutuba" fig tree and produced in cooperation with small-scale organic Ugandan farmers. The bark is harvested once a year without felling the tree. Each strip of bark produces just one cloth, each with its own particular history.

Not only is the cloth's appearance multi-faceted, the applications for this unique Ugandan product are wide-ranging: Whether used as a wall covering, trade stand, furniture component or awning, BARKTEX<sup>®</sup> lends a unique character to every application.

Tree bark fleece from Uganda is reputed to be the most ancient textile in the history of mankind. Until the end of the 19th century the finest of these cloths were exclusively reserved for the monarchs of the nearly millennial kingdom of Buganda.

The artisan production of the Ugandan BARK CLOTH<sup>®</sup> was recognized by UNESCO and admitted to the Immaterial World Cultural Heritage list.



BARKTEX® Tradition 0131



BARKTEX® MilkyWay 0801



BARKTEX® Patchwork 0188

The contract chairs owe their stable yet flexible design to BASF'S innovative binding agent Acrodur<sup>®</sup>, with which hemp, kenaf, sisal and decorative banana fibers are molded into a structural part.



### Natural fiber shell manufactured from BASF's Acrodur®

Acrodur<sup>®</sup> opens up totally new design opportunities for processing and shaping natural fiber composites. It even allows three-dimensional objects, such as the ergonomic 3D shell of the **atlanta 2.0** and the **logochair swing**, to be manufactured efficiently and easily in an industrial production process.

The resulting molded part also displays considerable mechanical strength. Consequently natural fiber composites produced with Acrodur<sup>®</sup> are also ideally suited for use in the automotive industry where they provide lightweight solutions for door interior trims, parcel shelves or trunk floors, replacing far heavier metal or plastic components. Acrodur<sup>®</sup> natural fiber components can be finished in various ways resulting in a natural, high-quality design and an attractive look.

Acrodur<sup>®</sup> therefore contributes significantly towards sustainability, from the processing stage right up to the finished product. As a purely water-based acrylate resin, it does not release any organic substances such as phenol or formaldehyde. Furthermore shorter pressing cycles make for a more energy-efficient production process.

A sustainable alternative to conventional binding agents therefore which also highlights the excellent properties of natural fibers.









Banana fiber composite

Hemp kenaf composite

## Want to find out more about the new office chairs?

We'd be delighted to hear from you.

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