



Experts in horeca parasols since 1997

SUSTAINABLE PARASOLS?



YES WE CAN, YES WE DO

Montis CZ - Leading European manufacturer of advertising parasols and event equipment

Our Mission

At Montis CZ, we strive to contribute to the sustainability of the nature and the enviroment while producing high standard and durable products. That is why we using recycled materials in the production of our parasols, tents and other event equipment. These materials not only save natural resources, but also help reduce waste and improve our company's envirormantal footprint. In additions, we are using hybrid vehicles for transprotation. With this step we want to reduce greenshouse gas emissions and contribute to climate protection.

We are proud to be one of the first parasol and event equipment manufacturers to focus on sustainability and environmental protection, including sourcing, production methods, and transportation strategies.

By using 1 tonne of recycled yarn we contribute to:



reducing dust emissions by 60 kilograms



saving 50,000 litres of water



reducing water vapour by 4,000 kg/m³



decreasing SO₂ emissions by 48 kilograms



reducing fuel consumption by 1,500 litres



Production Method's

The first step towards creating sustainable parasols is sourcing recycled materials. By repurposing materials we contribute significantly to reducing waste and conserving natural resources. Through meticulous sorting and guality control processes, only the best recycled materials are selected for use in the production of our parasols. This ensures that the final product meets high standards of durability and aesthetics.

Our manufacturing process follows strict sustainability guidelines while maintaining excellent product guality. Utilizing energy-efficient machinery and technologies, we minimize energy consumption during production. We also prioritize water conservation by implementing recycling systems that collect and treat wastewater generated during the manufacturing process. That way we save tens of thousands liters water a year. To further reduce our carbon footprint, we also use non-toxic dyes and coatings.



Process of re-granulation 4/6

The regranulation process consists in melting the previously obtained flakes and creating granules. The crushed and cleaned flakes are subjected to heat treatment at the temperature of 280 - 300 °C. The resulting granulate is ready for production of recycled yarns.

The stage of producing the recycling yarn consists in stretching the granules into a thin fiber in the pre-cutting machine. The coils are wound very loosely in order to facilitate the bleaching or coloring bath. The finishing process makes it possible to hand over the yarn preparation for weaving.

Making of recycled yarn

5/6

6/6 The weaving process consists in producing a recycled fabric by interweaving each other's yarns - longitudinally oblique warp and transverse weft. The order of the interweaving determines the weave. The final process is to give the fabric some specific properties.

Circular Economy Principles

One of our key principle is the concept of a circular economy. We strive to create a closed-loop system where materials are continuously reused and recycled. Once a parasol reaches the end of its lifecycle, it can be returned to our company for proper recycling. The fabric as well as the alluminium construction are then reprocessed and incorporated into the production of new parasols.





Sustainable Transport Strategies

We understand that sustainable practices extend beyond sourcing and production. To minimize our environmental impact during transportation, we have implemented various strategies, as using electic and/or hybrid vehicles. Additionally, we optimize packaging to minimize space and maximize efficiency during transportation.

By working closely with our logistics partners who share the same commitment to sustainability, we further reduce carbon emissions associated with delivery. For packing of our parasols we using carton boxes secured by a papebased tape.



Inspiring Change in Companies

For some the sustainability ends when it comes to price. By demonstrating that it is possible to (re)create affordable, high-quality products while minimizing environmental harm, we challenge the industry norms and encourage others to follow. At Montis CZ is sustainability not only a "trendy word", we trully live what we preach.

By choosing our products, our clients can support the movement towards a more sustainable future.



www.montisbenelux.nl