

Hexpand by Akarton

Sustainable Packaging

THE PATH TO A
CIRCULAR ECONOMY

HEXPAND[™]
by AKARTON



SUSTAINABILITY IS A STRATEGIC NECESSITY

Sustainability is no longer an optional factor in business operations but a strategic necessity. The packaging industry plays a crucial role in this transition. Responsible companies seek packaging solutions that not only minimize environmental impact but also contribute to more efficient logistics processes and cost savings.

Hexpand™ is an innovative, patented mono-material packaging solution that is fully recyclable and eliminates the need for filler materials. For sustainability managers in sectors such as e-commerce, spare parts logistics, and cosmetics. Hexpand™ offers the opportunity to combine sustainability with economic benefits and operational optimization.

THE ECOLOGICAL CHALLENGE OF TRADITIONAL PACKAGING

Packaging accounts for a significant portion of global waste streams. The reliance on materials such as excessive paper fillers, plastic, foam, and combined cardboard-plastic structures makes recycling complex and inefficient. Additionally, the use of these filler materials contributes to microplastic pollution and increased CO₂ emissions.

A fully circular packaging solution must not only be recyclable but also contribute to an efficient resource cycle.

Hexpand™ provides a future-proof alternative:

A **mono-material** packaging solution that can be **easily** recycled **without additional separation processes**.



SUSTAINABILITY AND EFFICIENCY HAND IN HAND

Hexpand™ is designed to address both ecological and logistical challenges. The key sustainability benefits include:

- **100% recyclable material**

Mono-material corrugated cardboard eliminates the need for unnecessary filler materials and is easily reintegrated into the recycling chain.

- **Reduction of CO₂ emissions**

Its lightweight and efficient packaging design lead to lower emissions during transport and distribution.

- **Waste reduction**

Optimized packaging formats minimize material waste.

- **Support for the circular economy**

Hexpand™ fully aligns with the principles of a circular economy, where materials are reused and recycled without quality loss.

STRATEGIC BENEFITS FOR SUSTAINABILITY MANAGERS

For sustainability managers across various industries, Hexpand™ offers concrete advantages:

E-commerce:

Less packaging waste and a lower environmental impact for large-scale shipments.

Spare parts logistics:

Reduction of plastic packaging material when transporting technical components and automotive parts.

Cosmetics & luxury products:

A premium appearance combined with sustainable packaging, meeting the expectations of environmentally conscious consumers.

IMPLEMENTATION: A SEAMLESS TRANSITION TO SUSTAINABILITY

Switching to Hexpand™ requires **minimal adjustments** to **existing packaging processes**. The system is compatible with both manual and automated packaging lines, allowing businesses to **transition sustainably without major investments**.

Additionally, the uniform mono-material structure helps companies **comply with increasingly strict environmental regulations and certifications** such as PPWR and EUDR.



HEXPAND™

by AKARTON

Smarter and more sustainable packaging without compromises

Hexpand™ offers businesses a practical and scalable solution to make packaging processes more sustainable.

By combining ecological benefits with operational efficiency, it helps companies achieve their sustainability goals without compromising functionality or cost control.

**Contact us today
to get started!**