



**SUSTAINABLE
PACKAGING
SOLUTIONS**

Reducing material consumption and lowering the carbon emissions of our sites and products is at the centre of our daily work, but we owe our almost 120 years of history to prioritising the wellbeing and safety of our employees and their families, as well as our partners and customers. This care is at the heart of everything we do and extends to the environment. Sustainability is knitted into the fabric of our family company.

We are more than happy to shoulder our share of the responsibility for creating a more sustainable, circular future for packaging. That's why every step we have taken has been deliberate, leading to the development of our GreenChoice portfolio.

GreenChoice by Wipak has been designed to make the decision between sustainable packaging solutions easier than ever. With guidance from our team of dedicated experts, you never have to choose between sustainability and meeting your unique requirements – you can have both.

We make it simple. Choose from our three core categories of packaging solutions:



REnewable



REcyclable



REcycled

The range of products in each category offer material and CO₂ reductions that best suit your application. We look forward to also providing multiple sustainability features at once, for example, in solutions that are both recyclable and contain recycled materials and/or renewable feedstock.

It's simple: to find the best sustainable solution for you, choose GreenChoice by Wipak.



REnewable

Materials such as paper and new plastics made from renewable feedstock can help us achieve independence from fossil resources. The use of such renewable raw materials in our packaging solutions helps to reduce dependency on finite resources. With this, we can also avoid the release of additional carbon into the atmosphere, which is stored in the earth's fossil resources over thousands of years.

While integrating renewable materials in our solutions, we assure you that all are sourced responsibly. We use FSC® certified paper and ISCC Plus certified renewable feedstock. Several of our sites are already FSC® COC and ISCC Plus certified.

GreenChoice paves the way to Carbon Zero.

Climate neutral products from
the ProDirect® digital inkjet line –
PAPER TOP® PD Solutions



Example Solution

PAPER TOP® PD QR 90 XX



Facts

- Minimum 72% renewable resources (FSC® certified paper from responsibly managed forests and bio-based PE using ISCC Plus mass balance approach)
- A paper share of 60% allows for disposal and recycling via the paper bin in several EU-countries
- 42% less plastic
- Printed with water-based inks on ProDirect® digital inkjet printing line
- All benefits of ProDirect® – no printing plates, almost no waste for printing, flexible and suitable for small to medium sized batches

Production with **ProDirect®** consumes less energy, produces almost no waste and consumes less resources, resulting in a significant **CO₂ footprint reduction**. We even went the extra mile, by integrating bio-based PE using a mass balance approach and offsetting the small, remaining carbon emissions through certified climate protection projects. Our **PAPER TOP® PD solutions are all climate neutral as of July 2021**.



Thermoformed packaging with separable paper composite bottom film



Lidding:

BIAXEN ECO 65 XX XFP

Bottom:

PAPER BTM® QS 335 XX PEEL

Facts

- Solution with more than 74% renewable content (other Paper BTM® up to 90% renewable share possible)
- FSC® certified paper from responsibly managed forests
- 78% less plastic
- 68% reduced CO₂ footprint
- PAPER BTM® S allows separation of the paper and plastic to enable optimal recycling of both components
- BIA Xen ECO lidding film is PE-based and certified recyclable

Correctly separating the components can enable optimal recycling in specific regions or countries where the infrastructure exists.

In some countries the bottom film can be disposed of for recycling via the paper bin.





REcyclable

We design our packaging according to accepted “design for recycling guidelines” (e.g. Ceflex D4ACE Guideline). This will enable packaging to be recycled, while improving the sortability of different kinds of packaging solutions.

Consumers need to make sustainable choices and packaging waste needs to be sorted and recycled. It is our responsibility to help make that as easy as possible.

We acknowledge that recycling is a shared challenge for consumers, producers, and us. Differences in legislation and infrastructure between countries adds to the complexity. Regardless, we are transforming our packaging portfolio to align with the EU target to have all plastic packaging recyclable, reusable or compostable by 2030.

Many of our solutions are already certified recyclable. If you want to know more about the certifications and regional differences, our experts will support you in making the best GreenChoice for your specific geography.



Recyclable PP-based flow pack –
the new solution replacing
PP-tray packaging for minced meat



Solution:

BIAXOP ECO XXX 50 ZPP



Facts

- Certified recyclable
- 95% PP
- 100% product protection with extra high barrier
- 82% CO₂ footprint reduction
(compared to common PP-tray solutions)
- ZPP seal for early sealing initiation temperature

Our product range of BIAXOP ECO films is suitable for flow pack and lidding film applications. Available with different oxygen barrier levels, peel, or tight seal.



PE-based flow pack solutions
with medium gas barrier, replacing
typical BOPA/PE structures



Solution:

BIAXEN ECO 65 X XFP

Facts

- Certified recyclable
- 90–95% PE
- Medium oxygen barrier of 15 cm³/sqm 24h bar (23°C / 50% r.h.)
- 30% CO₂ footprint reduction (compared to common BOPA/PE structures)
- XFP seal – early sealing initiation temperature
- The integration of ISCC Plus certified renewable feedstock is possible by a mass balance approach

Our BIAXEN ECO product range is suitable for flow pack and lidding film applications. Available with medium and high oxygen barriers, peel, or tight seal.



Flexible thermoformable
packaging solution, PP-based
and certified recyclable



Lidding:

BIAXOP ECO 70 XX XPP

Bottom:

SC ECO XX 9 XPP

Facts

- 90–95% PP-based packaging
- Certified for mechanical recycling within the PP or MPO recycling stream*
- Sealing temperature range: 130–150°C
- High oxygen barrier for perishable products
- Temperature resistance:
suitable for pasteurisation up to 100°C / 1h
- Excellent mechanical strength, thermoforming and optical properties. Comparable to PA/PE film of same thickness range.
- The solution shows a 50% CO₂ reduction
- SC ECO XX films allow for 60–70% CO₂ reduction (compared to common PA/PE films)



*Regional differences in collection and recycling infrastructures to be considered

PE-based solution for
perishable goods, available
as adhesive-free solution



Lidding:

BIAXEN ECO 65 XX XFP

Bottom:

NFO BTM ECO C 200 XX E

Facts

- 90–95% PE-based packaging
- Certified recyclable within the PE recycling stream*
- Perfect fit for all kind of shapes and sizes, for example cheese blocks (rounded or square shape), sausages and other meat or sliced products
- Available in a wide range of thicknesses
- Suitable for pasteurisation
- CO₂ footprint reduction of 30%
- All films are PA-free and adhesive free solutions (NFO TOP ECO and NFO BTM ECO) are available as well

The integration of ISCC Plus certified renewable feedstock is possible by a mass balance approach. With this, we contribute to the sourcing of sustainable raw materials.



*Regional differences in collection and recycling infrastructures to be considered

Reclosable and recyclable –
the latest member of our well-known
REPAK® TOP product family



Lidding:

REPAK® TOP ECO DL 90 XX PP

Bottom:

NICE ECO XX 17 PP



Facts

- Reclosable packaging solution based on minimum 90% PP
- Good recyclability in PP or MPO recycling stream*
- Excellent formability and mechanical strength for the bottom film, able to compete with semi-rigid APET/PE films
- 25% material reduction
- Excellent product protection and freshness preservation via the integrated reclose function
- 42% lower CO₂ footprint



*Regional differences in collection and recycling infrastructures to be considered

Recyclable and resource-efficient – excellence in pouch solutions



Recyclable spouted pouch solutions optimised for liquids, such as baby food applications

Example Solution:

**BIAXOP ECO XXX 110 XX
WHITE XPP**

Facts

- 90–95% PP mono-material
- Spout, cap and pouch made from the same material
- No metallic aluminium layer
- Extra high barrier solutions for long shelf life
- 27% CO₂ footprint reduction
- Available as WIIMA® system solution
- Certified recyclable*

We have a range of different PP and PE pouch solutions in our portfolio. Get in touch with our pouch experts to find out which solutions fit your needs.



*Regional differences in collection and recycling infrastructures to be considered

Retortable and recyclable pouches
for long shelf life – replacing
laminates containing aluminium



Example Solution:

BIAXOP ECO BP XXS 115
WHITE XXS PPS

Facts

- 90–95% PP-based mono-material
- No aluminium layer
- Sterilisable up to 121°C/1h
- High performance sealing layers to ensure tight sealing – secure and leak-proof
- Sealing temperatures: 150–160°C
- 20% CO₂ footprint reduction
- Certified recyclable*

A premium solution in the GreenChoice by Wipak portfolio.





REcycled

A circular economy for flexible packaging requires all recycling technologies.

Today, mechanical recycling is the primary process used. Solutions from mechanically recycled post-consumer polyester (R-PET) have been a part of our portfolio for years.

Materials from chemical or advanced recycling can complement more established recycling technologies, allowing more flexible packaging to be recycled. This also enables the integration of recycled materials in food applications according to ISCC Plus certification schemes. Although quantities are still limited, the future will enable the incorporation of chemically recycled PE, PP and PA at scale.

By exchanging virgin raw materials for recycled alternatives, we are decreasing our carbon emissions and consumption of fossil fuels to produce plastics.

Packaging solution with
30% to 80% recycled PET content



Lidding:

REPAK TOP ECO 65 PET

Bottom:

MULTICLEAR R 300

Facts

- 95% PET-based mono material solution
- Mono-APET bottom, recycled PET can be used for a share of the material (minimum 30% and up to 80% possible)
- PET trays are collected and sorted for recycling in some EU countries*
- Unique appeal in terms of transparency and reclosability
- 20–40% CO₂ footprint reduction (by use of at least 30% R-PET in the bottom)
- High barrier solutions available

Complementing our portfolio of PET-based lidding films, BIAXER ECO solutions include peelable and tight seal solutions.



*Regional differences in collection and recycling infrastructures to be considered



GreenChoice by Wipak is our promise to you. It brings our values and our pledge for a sustainable packaging future to life through cutting edge innovation.

GreenChoice by Wipak makes it simple. Choose your packaging solution out of our three core categories: RENEWABLE, RECYCLABLE and RECYCLED, and know you have chosen sustainability. Simply.

Some of the latest GreenChoice solutions were presented in this leaflet but there is more to choose from.

Whatever your choice is, our packaging experts will support you in finding the right solution without compromising on product safety and performance. Our solutions will take you a step closer to your sustainability targets.

Find out more about Wipak and our sustainable packaging solutions today.

Contact us: **info@wipak.com**

Visit our website: **www.wipak.com/green-choice**

WIPAK Follow us on [LinkedIn](#)

