



Involve. Inspire. Impress.



# Innovative Paper Laminates

# Paper + Plastic = Sustainable, Innovative, Distinctive

Paper symbolises nature. With paper, people have the confidence of buying a natural product whilst also contributing to the protection of our environment.

At Wipak, we offer versatile, customized paper/plastic solutions for a wide range of food products, including lidding and bottom films, flowpacks, stand-up pouches and portion packs.

Expertly tailored to the individual needs of your product, our paper laminates combine responsible sourced paper, with the important barrier functionalities of a flexible film – from oxygen and aroma protection, through to innovative reclosing systems.

When it comes to quality and hygiene, it pays to know that we are geared towards the most stringent international standards, with our own in-house film analysis and quality assurance specialists to ensure ongoing compliance with applicable food laws.







**Sensible Packaging**  
Paper Top W BE 90 XX Peel & Paper BTM 325 XX

### Paper Laminates in all Variations

- ▶ Laminated full bleed or in strips
- ▶ Printed in high quality using:
  - gravure printing
  - flexo-print
  - digital inkjet printing technology
- ▶ Customized see-through windows
- ▶ Can be processed on standard machines
- ▶ Variable shapes and structures
- ▶ Reduction of fossil raw materials
- ▶ Optional features include easy opening, reclosing, barrier layers

### FSC® Certification

Wipak offers different FSC®-certified paper qualities for food packaging which are sourced from responsible forestry. All paper grades consist of 100 percent virgin fibres and are thus free of mineral oils. The Wipak sites in Germany (Walsrode) and in Poland are FSC®-COC certified\*, and a closed and certified supply chain is therefore guaranteed. The paper laminates can be printed using gravure and flexo-print technology, inkjet digital print, and the FSC® label can also be printed.

\*License Code FSC® C130525

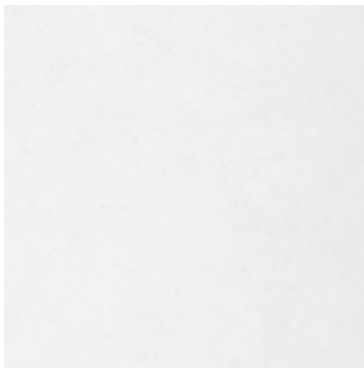




# Paper Versions

## Colours and Qualities

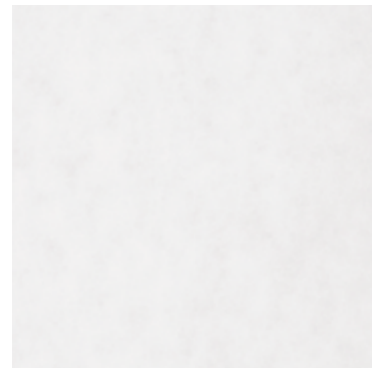
How rigid can the paper be? How opaque is it? What level of print quality can be achieved? How does the laminate behave on the packaging machines? Whatever the query, we can provide expert support; helping you to identify the most appropriate paper quality that meets all haptic, look and functionality requirements.



White  
30, 50 and 70 g/sqm



Kraft paper, white  
40 g/sqm



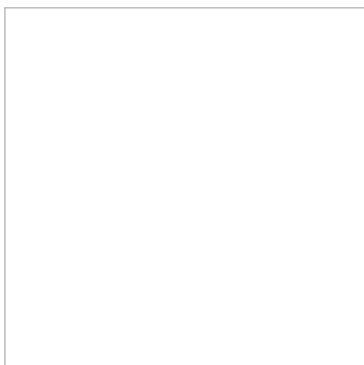
White, thermoforming  
80, 100 and 150 g/sqm



Kraft paper, brown  
40 g/sqm



Kraft paper, brown, corrugated  
40 g/sqm



Digital inkjet paper  
40, 70 and 100 g/sqm





85%  
paper

# Tray Laminate Paper Bottom®

## The Concept

The tray laminate consists of 85% FSC®-certified paper and has been backside printed.

It offers the same functionality as similar plastic laminates and, thanks to extremely thin plastic layers, provides aroma protection, enhances storage life and has oxygen barrier properties. The paper laminate can be recycled and – depending on the country of use – it can be disposed of as lightweight packaging via the yellow bin or recycled as paper waste.

## Features

- ▶ Thermoforming up to 2.5 cm
- ▶ Can be processed using all standard packaging machines
- ▶ Ideal product protection thanks to barrier layers
- ▶ Printed in high-quality





# Lidding Laminate with Reclosing Repak<sup>®</sup> Paper Top<sup>®</sup>

## The Concept

We developed an easy-open paper laminate with a resealable lid for the sliced cheese products manufactured by German dairy, Herzgut. The see-through windows were precisely cut from the paper web using laser technology and functions of the plastic layers remain fully unaffected. On-pack imagery was created using gravure printing.

## Features

- ▶ Printed using gravure, flexo-print technology and inkjet digital print
- ▶ Custom see-through window
- ▶ Reduction of fossil raw materials
- ▶ Reclosable of lid
- ▶ High barrier effect
- ▶ Variable share of paper, depending on the concept







# Quadro Seal Bag/ Stabilo Bag

## The Concept

This highly stable, grease and puncture-resistant bag was created for Foodforplanet's dog food. The robust composite structure was produced using almost 60% paper and can be processed on all standard flowpack machines to allow for high throughput.

## Features

- ▶ High grease resistance
- ▶ Extremely high puncture resistance
- ▶ Printed using gravure, flexo-print technology and inkjet digital print
- ▶ Mechanical stability, suitable for big bags
- ▶ High production throughput potential
- ▶ Variable share of paper, depending on applied concept





30%  
paper

# Stand-up Pouch

## The Concept

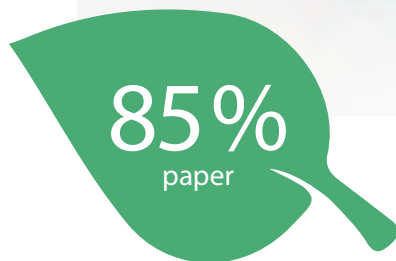
We developed a sustainable, stand-up pouch to replace meat producer, MarKo's, metallized packaging. Compared to the plastic-only solution, the final paper/film combination reduced the greenhouse gas potential by almost 40%. In addition, the fossil fuel energy consumption required was reduced by about one third.

## Features

- Easy opening
- Thin layers
- Printed using gravure, flexo-print technology and inkjet digital print
- Lamination without solvents
- Variable share of paper, depending on applied concept







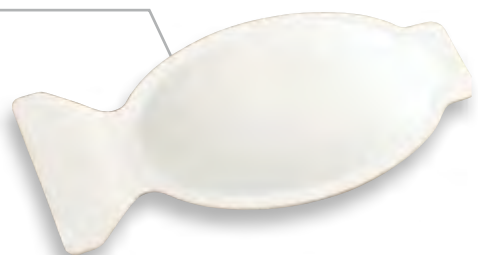
# Portion Packs

## The Concept

A completely new concept for portion packs, this cheese snack packaging was produced using a recyclable high-barrier laminate made from 85% paper. By incorporating this amount of paper, fossil fuel resources can be preserved and the package – depending on the country of use – can be disposed of as a light-weight package via the yellow bin or as paper waste.

## Features

- Easy opening
- Printed in high-quality using flexo-print technology
- Natural look and feel
- High barrier





# Flowpack with Bottom Gusset

## The Concept

Developed to replace folded boxes, this paper/film combination is suitable for dry food packaging, such as muesli, which is packed under MAP conditions. The solid laminate structure offers an extremely high puncture resistance, and high production throughput can be achieved thanks to special sealing layers with low initiation sealing temperature.

## Features

- ▶ Extremely high puncture resistance
- ▶ High barrier
- ▶ Peelable sealing layer
- ▶ Laser-cut see-through window
- ▶ High-quality print
- ▶ Crease-resistant and non-reflective front
- ▶ 100 percent virgin fibres, free of mineral oils







48%  
paper

# Flowpack

## The Concept

This high-quality printed flowpack solution uses 48% paper and was developed to replace a package made of pure plastic. Using extremely thin barrier films, the new concept achieves long shelf life, has a high water vapour barrier and protects the product from the light. It can be processed using all flowpack machines with high cycle rates.

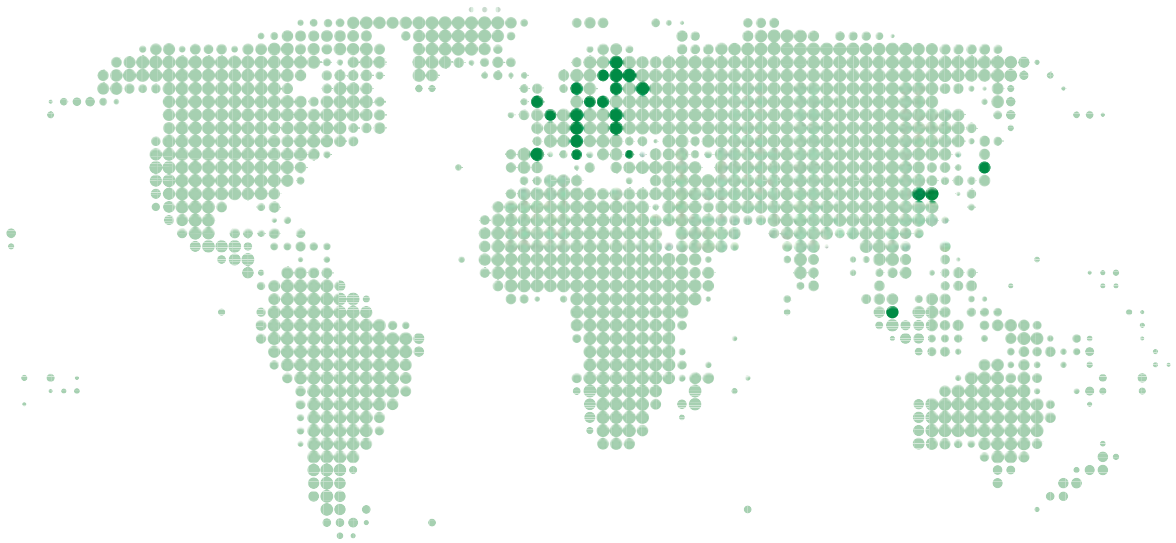
## Features

- ▶ No metallized plastic layers
- ▶ High water vapour barrier
- ▶ Light protection
- ▶ Natural look and feel
- ▶ Variable share of paper, depending on applied concept



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China • Czech Republic • Estonia • Finland • France • Germany • Hungary • Italy • Japan • Netherlands  
Norway • Poland • Russia • Singapore • Spain • Sweden • Switzerland • Turkey • United Kingdom



The Wipak Group develops and manufactures sophisticated packaging solutions for food products, as well as for medical instruments and devices. As part of the Finnish Wihuri Group, Wipak is a leading European supplier of multilayer films – especially high barrier films. Our extensive range of services delivered by our Innovation Center, combined with application support through training and workshops, ensure that with our products we can provide significant added value to our customers.

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