

Walki® Line

Barrier material for corrugated board



walki

Improving corrugated board boxes



A box with added value

Walki®Line is a range of materials that improve the properties of corrugated board. The products protect the content of boxes from humidity, grease and mechanical stress. They also offer protection for the box itself should the content be humid or wet.

Walki®Line helps to keep the box in shape. It improves compression and stacking strength and increases stiffness and dimensional stability. If stored in facilities with high relative air humidity, corrugated board boxes without barrier can lose most of their stiffness and strength in just a few days.

Walki®Line adds to the value of corrugated board by expanding its range of applications. Walki®Line reduces product waste and saves money.



Optimising the use of raw material and minimising the environmental impact

Walki®Line allows manufacturers to minimise the amount of raw material and increase the amount of recycled fibre used in a corrugated board box. Compression strength remains high in humid conditions. The structure of boxes can also be simplified, for example, by using a single wall solution instead of a double wall one.

Cutting down on the use of raw materials saves both money and the environment. Our products are recyclable, and environmental considerations are an inherent part of our product development and production.

An unbeatable printing concept

Walki®Line features excellent printing properties valued by customers doing their own printing. We also offer a preprinted product, Walki®Line Print.

Our all-in-one solution provides a material with both a barrier and a printed surface. We use flexo printing and environmentally friendly water-based colours.

Product development and quality control

We are a well-established, leading manufacturer of barrier lining material, boosting strong, proactive and customer-oriented product development. To come up with new solutions, our Walki®Line product development team works in close cooperation with customers. In fact, all of the Walki®Line products have been developed jointly with customers.

Our unique pilot machine can be used for new product trials. Many of our established products have, in fact, been developed on it. Before going into full-scale production, new products are subjected to meticulous testing and assessment.

Continuous quality control is used to monitor and measure properties such as moisture content, water vapour transmission rate, Cobb, grammage, thickness, tensile stiffness, bursting strength, compression strength (SCT) and friction. We also carry out special test programmes according to customer wishes.

Comprehensive testing ensures that our products meet customer demands on packaging lines, as well as during transport and delivery.

Direct contact with foodstuff

The Walki®Line products meet all of the major requirements and recommendations for materials that come into contact with food: European standards, directives and regulations, German BfR recommendations and US FDA regulations.

All of our products can be used to package dry foods. Depending on the raw material used, most of our products are also suitable for moist and greasy foods.

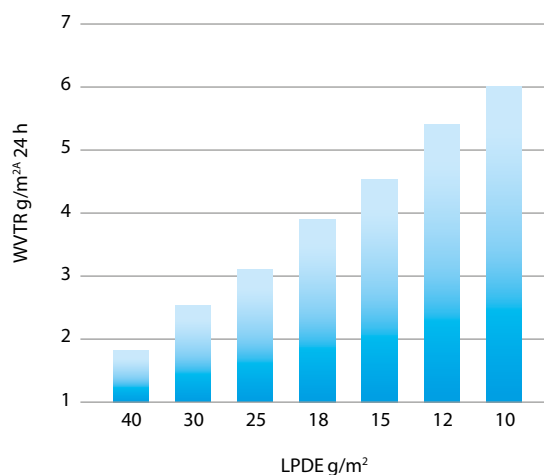


Effective protection against grease and humidity

Walki®Line consists of paper and liner, typically laminated using polyethylene (PE). Other web materials, such as PET, aluminium or nonwoven, can also be used for lamination. The effectiveness of the moisture barrier is directly related to the thickness of the barrier layer. The optimum moisture barrier for individual products can be achieved by modifying the thickness of the PE layer. A layer of PET is recommended for boxes used for greasy products.

Water vapour transmission (WVTR)/LPDE

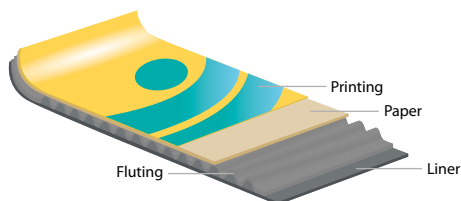
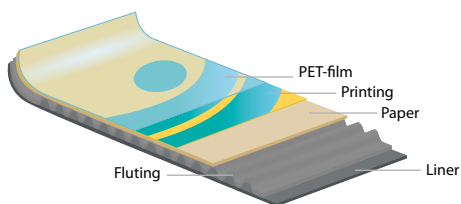
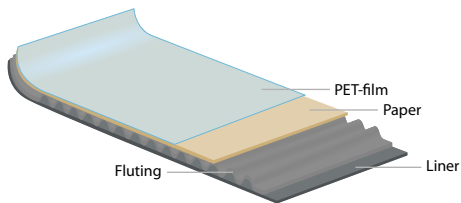
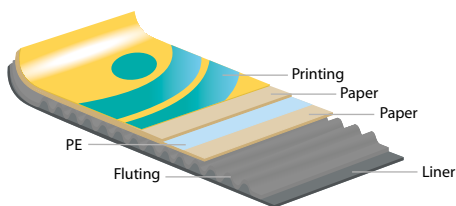
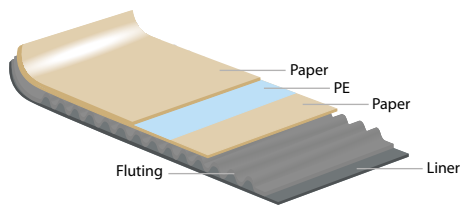
Test condition 23°C, 50% Relative humidity (RH)



Walki®Line – new opportunities

We offer a wide product range. Our main products have been available for a long time and have proved their strength over the years. They are optimised products that our customers find both attractive and cost-effective.

Our speciality products have been developed in close cooperation with customers. They are tailored to customer needs and adapted to demanding end uses.



Easy to use

Walki®Line will cause no problems on corrugated board machines since it works exactly the same as conventional kraft or test liners. Only minor adjustments may be needed to be made to the machine parameters. Walki®Line can be used as an outer or inner layer of corrugated board – or both. It suits all types of fluting profiles, as well as different types of corrugated board: single wall, double wall and triple wall. The thinner options are ideal for micro fluting. Walki®Line can also be used in litho-lamination. We can supply both reels and sheets.

Walki®Line end uses for corrugated board

Boxes for	Walki®Line Aqua (paper / PE / paper)	Walki®Line Ultra (PET / paper)
Copying paper	•	
Inner reel end discs	•	
Octabins	•	
Electronics	•	•
Automotive, Spare parts	•	•
Furniture	•	•
Fruits	•	
Vegetables	•	
Flowers	•	•
Plants	•	
Berries	•	
Fish, Seafood	•	•
Meat		•
Sweets		•
Catering	•	•
Fast food	•	•
Bakery products		•

Main products

Walki®Line Aqua

- PE laminates, wide assortment, grammage 70–500 g/m²
- Brown or white top surface
- Transparent or white PE
- Symmetrical or asymmetrical laminate
- Bottom surface of virgin or recycled fibre
- Suitable for printing
- Typical applications: boxes for vegetables, fruit, berries, flowers, plants, fish, seafood, copying paper, detergents, chemicals and spare parts

Walki®Line Ultra

- PET laminates, wide assortment, grammage 70–500 g/m²
- Transparent or metallised PET (silver, gold, other colours)
- Brown or white top surface
- Virgin or recycled fibre
- Heat resistant
- Ovenable as option
- Suitable for printing (paper or PET)
- Typical applications: boxes for meat, poultry, fish, pasties, baking fats, sweets, fast food, flowers, automotive, spare parts, electronics and scratch sensitive articles



Speciality products



Walki®Line Dura

- Super-strong liner
- Excellent bursting and puncture strength
- Typical applications: octabins and boxes for hazardous goods, chemicals and polymer granulates, boxes for sharp goods, explosives and slaughter waste



Walki®Line Soft

- Soft and non-scratching surface
- Absorbent surface
- Ideal for sensitive and valuable material
- Typical applications: packaging material for automotive, spare parts, furniture and optical instruments



Walki®Line AC

- Anticorrosive liner
- Optional moisture barrier
- Typical applications: boxes for metal components and packaging for the heavy industry



Walki®Line Alu

- Aluminium laminate
- Excellent barrier properties against moisture, grease, oxygen, gas, aroma
- Heat- and cold-reflecting surface
- Typical applications: boxes for fish, seafood and food sensitive to flavour and odour



Walki®Line GP

- Grease barrier
- Good release properties
- Typical applications: packaging for greasy foods, baking fats, bakery products, pet food, oily materials



Walki®Line ESD

- Antistatic surface
- Typical applications: boxes for sensitive electronics components

Walki®Line Print

- Printed paper or liner, grammage 40–400 g/m²
- High-quality flexo printing
- Up to 8 colours
- Environmentally friendly, using water-based flexo printing ink, water-based UV inks/lacquers as option
- Print width, max. 3,500 mm
- Print length 350–2,000 mm
- Effective and economical, especially for long runs
- Maintains the stiffness of corrugated board since the fluting is not part of the printing process (compare postprinting)
- Effective design management



WALKI IN BRIEF

Walki Group is a leading producer of technical laminates and protective packaging materials, specialising in the production of fibre based, intelligent, multilaminate products for markets as diverse as energy saving construction facings and construction membranes to barrier packaging solutions.

Walki Group has operations in Finland, Germany, the Netherlands, Poland, the UK, Russia and China with a workforce of about 900 people. Annual net sales for the Group are 300 million Euros.

SOME EXAMPLES OF OTHER WALKI PRODUCTS



CONSTRUCTION
MEMBRANES



CONSTRUCTION
FACINGS



FLEXIBLE
PACKAGING



RFID ANTENNAS



INDUSTRIAL
PACKAGING



BARRIER BOARD



BARRIER LINING



REEL PACKAGING



REAM WRAPPING

**If you are interested in partnering
with Walki for your Walki®Line needs,
please contact us via our website.**