

# Walki® Reel

Reel packagings



walki

# Damage can be prevented

Reel packaging offers effective protection for paper reels. Walki is the world's leading manufacturer of reel wraps and end discs, boasting over forty years of experience in the field.

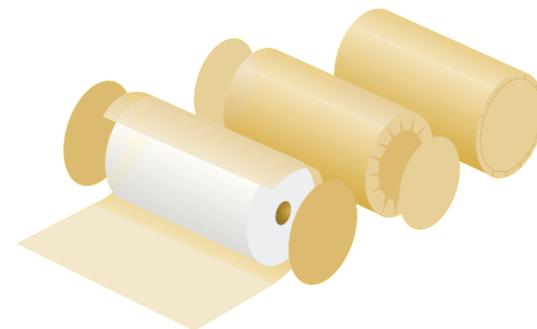
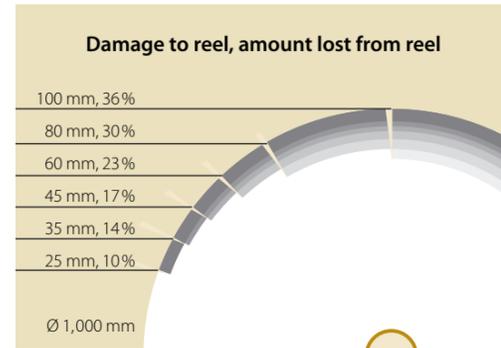
## Walki®Reel

Our reel wraps consist of carefully selected paper laminated with a layer of PE. They protect reels during storage and handling not only against mechanical damage but also against dirt and moisture.

## Walki®Disc

End discs are an important element of packaging. Even minimal damage to the end of a reel can severely harm its content: a gash two centimetres deep may affect nearly ten per cent of the paper.

Walki manufactures a special inner disc for jumbo reels. Outer discs seal the packaging and protect reel ends against moisture and mechanical strain during transport and handling. The Walki®Disc range offers several versions of outer discs.



# Choosing the proper wrapper

## Walki®Reel Maxi

Developed for highly demanding conditions, Maxi provides the best possible protection against moisture and mechanical damage. It is ideally suited for big reels. The wrap combines maximum strength with the lowest possible material consumption.

## Walki®Reel Classic

Classic is the optimum wrapper for common-sized reels transported under normal conditions. It provides excellent protection against moisture and mechanical damage.

## Walki®Reel Multi

Best suited for light transports that demand less mechanical protection, Multi also offers a high level of moisture protection.

## Walki®Reel Eco and Walki®Reel Recy

Eco and Recy are excellent for short, less demanding transports and less sensitive products. They are usually made of 100% recycled fibre.

## Walki®Reel Hot

The PE layer of this wrapper has been developed especially with the Hotpack sealing method in mind.

Several aspects must be taken into consideration when selecting a wrapper, such as reel weight, number of handling phases, transport method, transport duration and paper grade. Demanding transports, large reels and valuable paper call for strong wrappers, while short transports can usually do with weaker alternatives. Walki offers five different strengths of the Walki®Reel wrapper laminate. Special wrappers are also available for the Hotpack process. The broad product range offers a suitable wrapper for every need.



# Simple means, big improvements



## Prominent advert

A printed reel wrap is an excellent way to boost your brand. By creating an identity for reels, the printed design converts them into huge adverts for the customers. Walki's wrappers can be printed using advanced techniques to a maximum width of 4,200 millimetres.

## Enhanced safety

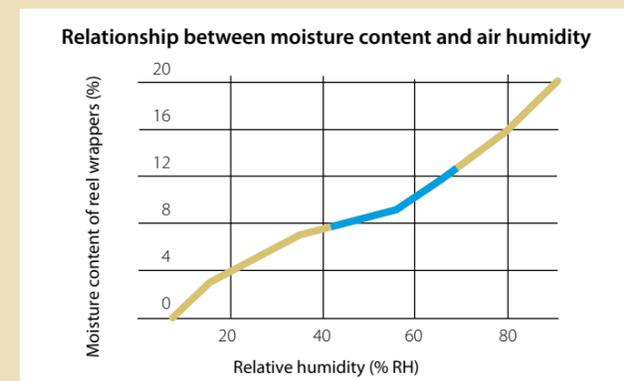
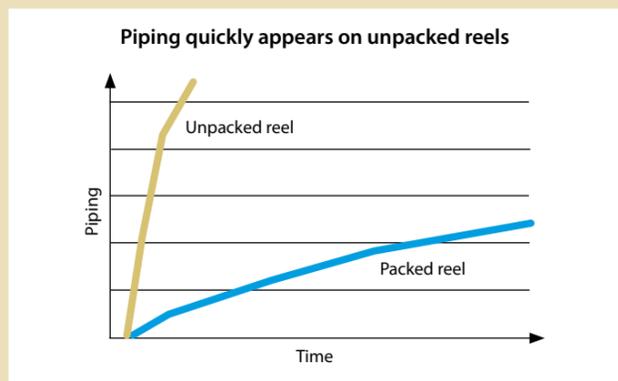
Print also offers other advantages. It improves safety when handling reels especially in poor lighting making it easier to see where one reel ends and the next one begins. Print can also provide end-customers with valuable information such as the direction in which the reel opens. Moreover, experience has shown that printed wraps are handled with more care than unprinted ones simply because they look more valuable.

## Not too much moisture...

An unwrapped paper reel can freely absorb moisture from the surroundings. This results in what is known as 'piping'. These are streaks that may penetrate several centimetres into the reel and that cannot be eliminated from individual sheets of paper. The PE layer of reel wrappers effectively hinders this process. Under normal storage conditions reels show no trace of piping when unwrapped.

## ...but not too little either

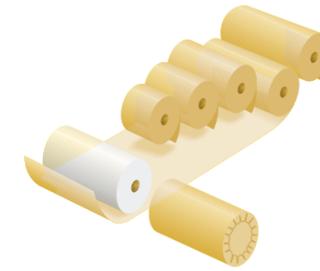
For a reel wrap to offer optimum functionality its moisture content must be in equilibrium with the relative air humidity at the packaging machine. This is particularly important when dealing with less frequently used wrap widths. The moisture content of reel wrappers is typically 8–12% on delivery. This calls for air humidity around 40% at the packaging machine. If the relative air humidity is too low the wrapper dries out and its strength properties begin to deteriorate. The risk for creasing and curling also increases.



# For every machine and method

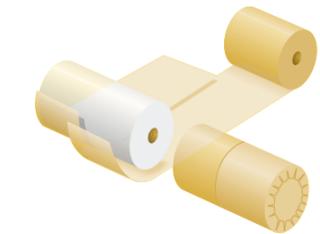
## Conventional reel packaging

The conventional method results in optimum use of the reel wrap. Print is easy to design since the width of the wrap is tailored to that of the customer's reels. Hot melt is the most common sealing method, but Hotpack can also be used.



## Overlapping reel packaging

The overlapping technique enables packaging machines to be made more compact and saves storage space since only a few different widths are needed. Using two or three overlapping wrappers makes it easier to package wide reels. The method can be used for traditional reel wrappers as well as Hotpack wrappers.



## Spiral reel packaging

The spiral method uses only one wrap width and is best suited for packaging carried out in limited space and involving many different reel widths. Spiral packaging uses traditional reel wraps that are wound around the reel until it is fully packed.



Walki supplies reel packaging for every conceivable packaging machine and method. Good cooperation with machine suppliers enables us to offer flexible solutions to our customers.

## Sealing the reel

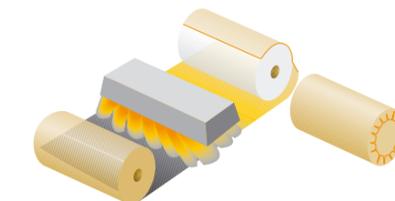
### Hot melt

This is the traditional sealing method for reel wrappers, consisting of two paper layers with PE in between. The reel package is sealed with hot melt adhesive, which is applied to the edges and both ends of the package.



### Hotpack

The Hotpack heat sealing method is based on a reel package made of PE-coated paper. The plastic layer on the inner surface of the reel is melted using infrared heat to form highly durable sealing.



# Perfect for recycling

Walki's entire reel wraps and end discs are fully recyclable. The paper and plastic can be completely separated using mechanical methods.

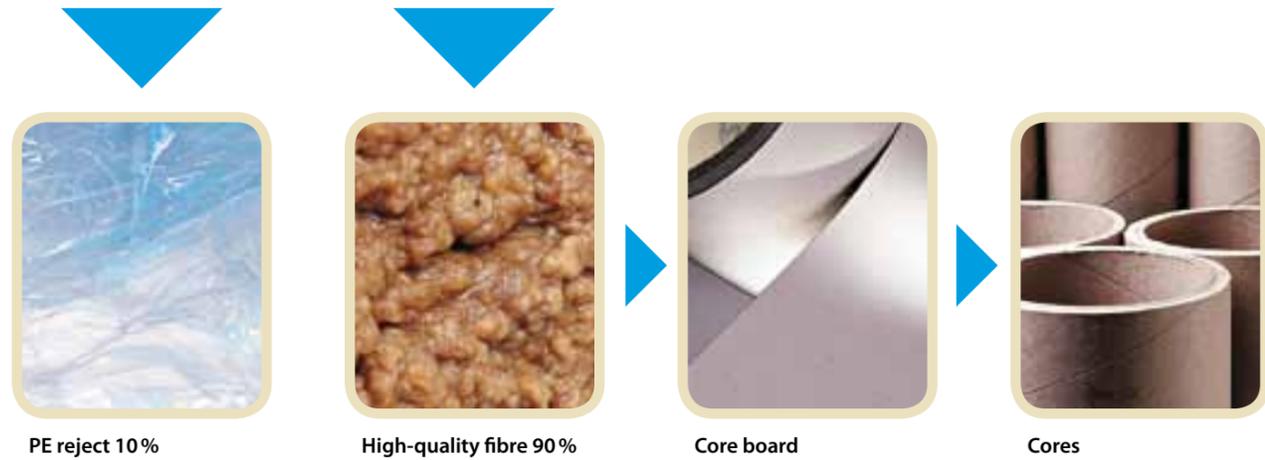
Reel packages usually consist of 90 per cent high-quality virgin fibre and 10 per cent pure PE. Recycling makes sense, taking into consideration the superb quality of the paper fibre.

Walki's reel wraps and end discs comply with EU's directive for packaging and packaging waste (92/62/EC). The content of heavy metals in our products is less than 100 ppm in compliance with Article 11 of Directive 94/62/EC. The products are suitable for material or energy recycling according to EN 13430 and EN 13431.



## Reel packagings

Recycling separates plastic from paper. The recycled paper fibre is used to make, for example, strong board for paper reel cores.



Walki® Reel Maxi

Walki® Reel Classic

Walki® Reel Multi

Walki® Reel Eco

Walki® Reel Recy

Walki® Reel Hot

Walki® Disc

Walki® Disc Jumbo

## Walki in brief

Walki produces wrappings for the paper and metal industries, food and consumer packaging materials, decorative and functional laminates, barrier liners for solid and corrugated packaging, facings for the insulation and construction industries and solutions for technical applications.

Walki's production units in Finland, Sweden, Germany, Poland, the UK and China have annual net sales of about 300 million Euros and a workforce of approximately 1,000 employees.

### Walki Group

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## Walki consists of three business areas

### PAPER PACKAGING



Reel packaging



Ream wrapping

### CONSUMER BOARD



Barrier board



Barrier Lining

### TECHNICAL PRODUCTS



Flexible packaging



Heavy duty wrapping



Insulation and construction facing materials



Technical industrial papers