

# Essential packaging for manufacturing

kitepackaging.co.uk



an employee-owned business

kite

# Outer protection

## Single wall boxes

- Made with a single layer of fluting, this is the most popular corrugated box in the range
- Lightweight and cost-effective, it is ideal for general purpose packaging, storage and dispatching



## Double wall boxes

- Ideal when protecting heavy or fragile goods
- These boxes are sturdy and hard-wearing, thanks to two layers of fluting
- Commonly used for sending heavy items through a carrier or postal network, they are durable and have increased compression resistance



## Enviro-boxes

Kite's Enviro-boxes out-perform the equivalent double wall box, but use less material. Developed by us in partnership with WRAP (Waste and Resources Action Programme), Enviro-box has a positive impact on the environment by:

- Reducing the amount of cardboard going to UK landfill
- Reducing the CO<sub>2</sub> emissions used in manufacturing
- Reducing the CO<sub>2</sub> emissions in distribution



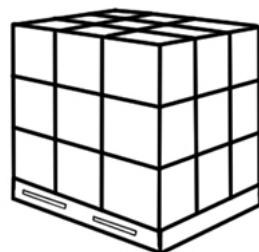
## Extra heavy duty boxes (high performance packaging)

- The strongest corrugated cartons in our range
- Perfect for transporting heavy, fragile or oversized goods
- Made from heavy weight board with various fluting combinations
- They have been rigorously tested and provide outstanding performance



## Do you buy enough boxes to fill a pallet?

Save money by purchasing single wall, double wall, enviro-boxes or a mix of each by the pallet.



## Picture frame boxes

- Kite's telescopic picture frame boxes are designed to fit around items such as paintings and framed artwork
- Made from strong double wall cardboard, these boxes are adjustable in height in order to fit a variety of sizes



## Postal tubes

- Quick and easy to erect and seal
- Removes the need for void fill
- Cross dimensional strength



## Postal boxes

- Compliant with Royal Mail PiP
- Available in white and brown
- Quick and easy to assemble – view our demo videos online
- Look fantastic when paired with coloured tissue paper



## Book wrap mailers

- For all shallow, flat items
- Wide range of sizes
- Ideal for fulfilment operations
- Multi depth and width



## Jiffy padded bags

- Filled with macerated paper to trap air and provide cushioning
- Puncture and tear resistant
- Compostable and made from 65% recycled paper



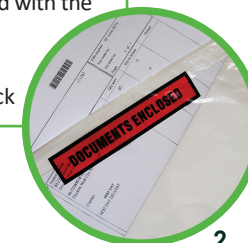
## Arofol envelopes

The most popular in our range, available in white or gold and FSC approved

- Lined with high quality bubble material
- Strong paper outer - available in gold or white
- Suitable for posting, courier despatch and general office use

## Document enclosed wallets

- Secures documentation
- Water-resistant
- Available as plain, or printed with the words "DOCUMENTS ENCLOSED"
- Wide range of sizes in stock





## Protection & void fill

### Mini air machine

- Small and easy to use
- Simple to set up. Just plug into a standard three pin socket
- Can run 8 different film formats
- Huge space saving vs. void fill or bubble wrap
- In action videos on our website



### Silica gel & desiccants

- Used to absorb moisture and water in products
- Ideal for a range of industries
- Effectively prolong and prevent rust, mildew, and corrosion



### InstaPak

- Self-expanding foam for delicate and high value items
- Activate the pouch through hand applied pressure, and rapidly expanding foam forms a cushioned mould around your product



### Biodegradable loose fill and vermiculite

- Starch-based loose fill chips ('greener' than polystyrene) are 100% biodegradable and provide cushioning for a variety of products
- The only UN rated void fill
- Vermiculite is mineral based, environmentally friendly, fireproof and absorbent
- Use it to package hazardous liquids, or even to grow plants and make concrete!



### SpeedMan pro

The SpeedMan pro is an automated paper dispensing system, designed with speed and efficiency in mind

- Operated with a foot pedal
- Continuous speed adjustment assists with greater flexibility
- A mobile battery version is also available



### Bubble wrap

- Kite's co-extruded bubble wrap offers impact protection for many items, and has a layer of nylon barrier film to improve air retention
- Small bubble suits general purpose wrapping, while large bubble is ideal for bigger items
- Easy-tear available



### Bubble wrap bags

- Available in clear or pink anti-static
- High strength peel-&-seal strip for secure closure
- Wide range of sizes
- Manufactured from co-extruded bubble



### Single face corrugated rolls

- Raised corrugated flutes on one side of paper to provide protective cushioning against impact
- Made from recyclable & recycled, 75gsm paper
- Variety of roll widths available



### Layer pads & sheets

Whether you are transporting stock, or simply storing it, our layer pads and sheets will offer users the adequate protection products often need

- Correx sheets** - Tough, lightweight, waterproof applications
- Corrugated sheets** - Ideal for creating strong dividing layers in cartons and stacking





# Strapping

We offer an extensive range of strapping to bundle, group and palletise products quickly and efficiently

## Polypropylene strapping

- Perfect for use with light and medium duty strapping tools
- Ideal for use with a dispenser trolley
- Embossed to prevent splitting



## Steel strapping

- High tensile strength
- Ideal for strapping sharp edges or irregular shaped loads
- Favoured in the building and construction industry
- Available in the 3 most popular widths 13, 16 & 19mm



## Polyester strapping

- On a cardboard core
- Used in brick, lumber and textile industries due to excellent tension properties
- Can be used with a machine or hand dispenser



## Polypropylene strapping kits

- Four different cost-effective and ready-to-go strapping kits
- Choose from standard to heavy duty options to suit a range of requirements
- Each includes a reel of strapping, tensioner, sealer, seals and other tools



## Strapping tools

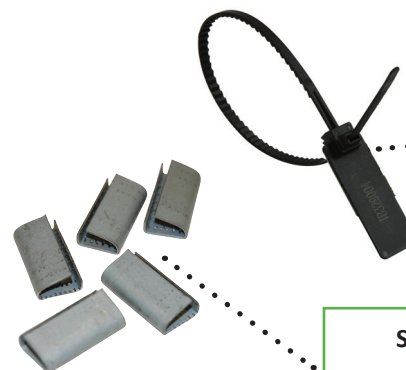
- Strapping tensioner**  
For polypropylene, steel and polyester
- Strapping sealer**  
For polypropylene, steel and polyester
- Combination tools**  
For polypropylene, steel
- Friction weld tools**  
For polypropylene and polyester



**Kits:**  
Available  
in steel &  
polyester also!

## Security seals

- Tamper-evident plastic security seals
- Once they are sealed, they cannot be opened without breaking them
- Three specifications available: standard, tear-off and attached lid container seals



## Seals

- Strapping seals and buckles are often essential to ensure a tight seal for adequate strap tension
- We stock five variants for strapping, and the type you need will depend on the application
- For more information visit our seals page on our website [kitepackaging.co.uk](http://kitepackaging.co.uk)

**Seals:**  
Standard metal  
Serrated metal  
Plastic buckle  
Steel buckle  
Steel snap-on



# Stretch wrap & machines



## Envirostretch & pre-stretch pallet

- Produces less waste, so kinder to the environment
- Cost-effective
- Strong and durable
- Lighter and easier to use
- Available in flush core, extended core & coreless

## Mini rolls

- Measure 100mm x 150m
- Great for bundling small loads
- Can be printed with your logo

## Cast or blown film?

Stretch film is manufactured using a 'cast' or 'blown' process with each having certain advantages

### Cast

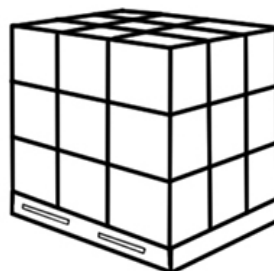
- Great transparency
- Extremely good tear resistance
- Quiet unwind, reducing noise levels

### Blown

- Ideal in dusty or cold temperatures (-32C)
- High puncture resistance
- Excellent load stability

## Do you buy enough stretch wrap to fill a pallet?

Save money by purchasing stretch wrap by the pallet.



## Flush core hand wrap

Manufactured from high quality clear film (cast and blown), flush core pallet wrap is the most common hand wrap in the market. It suits a wide variety of applications

- Full range of thicknesses & colours
- Suitable for wrapping all pallet types
- 400mm and 500mm wide rolls
- High performance blown films for cold temperatures

## Printed stretch films

- We can supply high quality stretch wrap printed with your logo or message
- Available on mini rolls, hand rolls or machine film in a range of colours, entirely bespoke to your design
- Great for security and gives your brand improved visibility

## Extended core hand wrap

Makes applying the film around a pallet easier than using a normal flush core

- Available in cast and blown, clear, blue or black
- Our range includes high performance films
- Core extends 65mm from each end of the roll

## Coloured stretch wrap films

- For certain applications and industries using coloured stretch wrap can give additional benefits such as UV protection
- Blue stretch wrap is commonly used for identification of food products and is made from a raw material that is certified for contact with food
- Black and white films can be used when security is important and to stop goods from being identified

## High performance machine pallet wrap/films

- Our wide range of cast and blown machine films means we have a film type suited to all applications and generations of stretch wrapping machines
- The table below lists the full range of films we offer
- For advice on choosing the right film call our team of experts on **02476 420065**



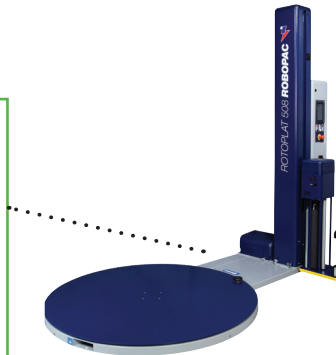


## Pallet wrap machines and film

**Automated pallet solutions**  
Cost effective. Safe. Consistent

### Turntable pallet wrap machines

- Full range of systems, from entry level to advanced and low profile
- Maximise the efficiency of wrapping with a variety of adjustable settings and programmes
- Designed to tension consistently around uniformed sized pallets
- Full range of accessories available (ramps, pit frame and digital weighing scales)



Robot machine drives itself around the load – watch our video online

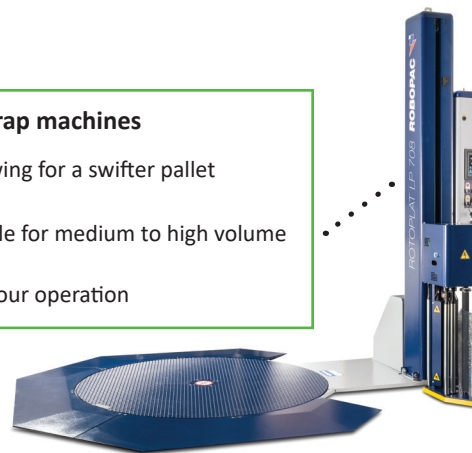
### Robot machines

- Flexible, quick, easy, efficient
- 2 types available
- Ideal for odd shaped loads
- 3 programme options
- Full safety features
- Mobile so can be moved to any area of your warehouse operation



### Low profile pallet wrap machines

- Low profile range allowing for a swifter pallet wrapping operation
- Standard range available for medium to high volume users
- Increase efficiency in your operation



## Pallet wrap systems



### 5x5 system

- Used to apply hand stretch film around pallets just like a machine
- Ergonomically designed to improve comfort and efficiency of wrapping
- Operator walks forwards improving wrapping speed and health & safety
- No bending or stretching required when wrapping therefore reducing fatigue
- Fixed gear ensures the correct tension is applied and less film is wasted

Watch the demonstration videos online

### Stretch safe system

- Manual mobile wrapping system, designed to wrap any pallet under 2 metres in height
- Only requires 600mm of space around the pallet
- 60% time saving compared to the traditional method of hand wrapping
- Roping device to ensure maximum load stability
- Adjustable tension ensures pallets are wrapped with the correct tensions and less film is wasted







## External protection

### Heat sealers

A versatile range of heat sealers are available:

- Hand-held sealers: Portable and light. Most suitable for occasional use
- Basic table top heat sealers: cost-effective for low volume
- Standard heat sealer: Designed to seal polythene packaging
- Industrial heat sealers: Integrated cutter as standard, and can make 3-4 seals per minute. Used for sealing heavier duty tubing
- Heavy duty heat sealers: Used for high volume sealing, for a range of polythene based materials. Fully controllable heating and cooling settings, and also supplied as a 'bundle' which can include a worktable, bag support, foot pedal and spare parts kit



### Heat shrink guns

- Our range of heat shrink guns are ideal when keeping to a budget, see our full range online.
- Ergonomically designed to fit comfortably into the user's hand
- Ideal when users have high volume throughput



### Timber cases & wooden crates

- Ideal for transporting extremely heavy or highly fragile products
- Manufactured from 6mm plywood
- Can be stacked 2 or 3 high in storage



### Attached lid plastic containers

- Perfect re-usable or multi-trip packaging solution
- Allow for up to 10% greater vehicle efficiency
- Lids secure in a vertical line when nested
- Suitable for a range of industries



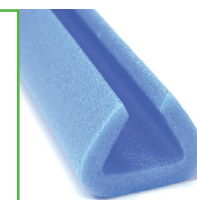
### Foam rolls

- Non-abrasive, acid free and leaves no residue
- Protect delicate items such as glass, ceramics and wood from scratches and marks
- Commonly used for interleaving and wrapping products



### U-tulip edge protectors

- Used to protect furniture edges, picture frames and glass edges
- Flexible material with tight grip strength and easy-to-use design
- Supplied in 2 metre lengths that can be cut and bent around corners and edges



### Solid board edge protectors

- Made from compressed recycled cardboard
- Protect delicate edges during transit and can be used to reinforce boxes and cartons
- Economical, reusable and recyclable
- Variety of sizes available that can also be cut to size as required



### VCI paper

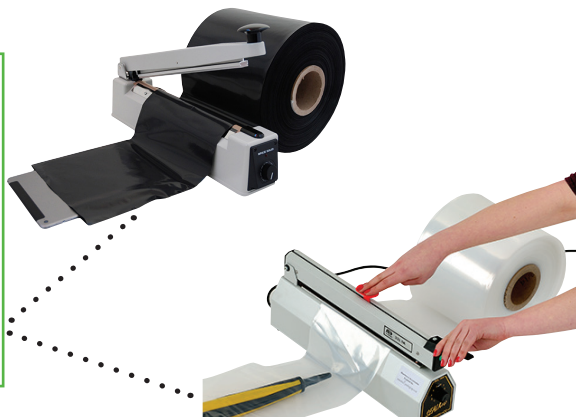
- Used in engineering and mechanical industries
- VCI (Volatile Corrosion Inhibitor) paper is designed to protect steel, iron, copper and brass items from rust and tarnish
- The paper slows the process of corrosion, and does not leave any residue so items can be used immediately after being stored



## Protective bags & tubing

### Lay flat tubing

- Wide range of thicknesses and widths in black and clear
- Used with a heat sealer to create custom polythene bags
- Can also be sealed with wire ties and plastic cable ties
- Ideal for long, thin items that are difficult to package



### Grip seal bags

- Plain and write-on panel available
- Available in medium and heavy-duty
- Huge range in stock



### Polythene bags

- Light duty bags (20 micron):** high clarity and non-toxic, ideal for small goods
- Medium duty bags (50 micron):** for a range of products including food, hardware, and toiletries
- Heavy duty bags (90 micron):** for heavy items such as tools and building materials
- Extra heavy duty (125 micron):** Ideal solution when needing to pack heavier, bulky and sharper goods

See the full list of sizes online or use our size search tool

### Refuse sacks

- Suitable for both industrial and domestic use
- Available in a range of sizes and colours



### Anti-static bags

- For use in a static-controlled environment to protect products from damage
- Made from 300 gauge polyethylene & coated with an anti-static agent
- Available in open top and grip-seal



## Tapes

### Hot melt

- Vibac polypropylene tape is available with a hot melt adhesive
- Used where good adhesion in low temperatures is critical, such as in the chilled food industry, and unheated storage and warehouse conditions

### Acrylic (water-based) – our branded tape

- Kite-branded acrylic tape is a general purpose tape, for use in ambient temperature environments
- We also offer an alternative low noise version, ideal for busy warehouses where noise reduction is important

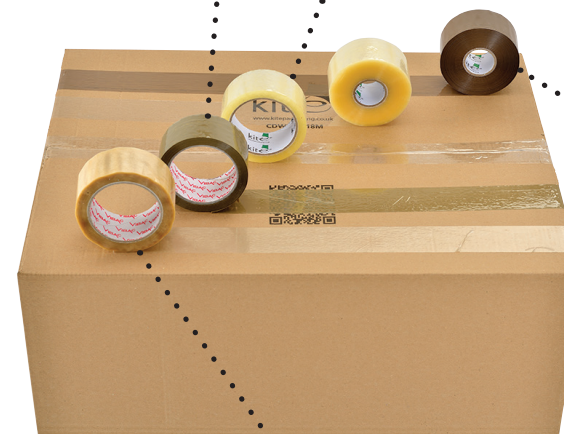
### Envirotape – our best value packaging tape

Suits a wide variety of uses. Available in both hot melt and acrylic adhesives

- Kite - branded Envirotape has a smaller core with 150m per roll (more than twice the length of standard tape)
- Saves operating costs by having fewer roll change and requires less warehouse storage space
- Eco-friendly due to smaller cardboard core and less CO<sub>2</sub> emissions during transit

### Solvent – for cold & ambient temperatures

- Kite offers polypropylene and PVC/Vinyl solvent tapes where the solvent adhesive has superior tack and works in both cold and ambient temperatures
- The PVC/Vinyl carrier can be torn by hand, making this a highly versatile tape







## Environmental range

### New to 2019....sugarcane products

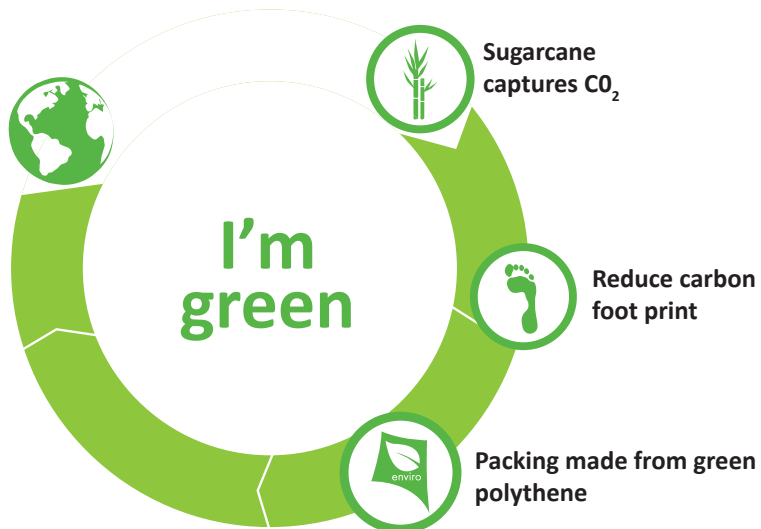


#### Bio film

- Machine film for use with semi auto and fully automatic machines
- Bio-based (green PE)
- 50-80% from renewable resources
- 100% recyclable
- High performance



Green Polyethylene helps reduce greenhouse gases and is 100% recyclable



#### Eco mailing bags

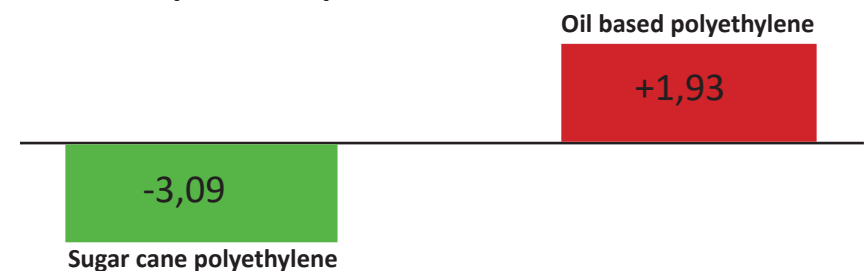
- Produced from sugar-cane the greenest material on the market
- Eco-freindly alternative to polythene mailing bags
- No compromise on strength or quality
- Carbon positive

#### Why is sugarcane so good for the environment?

The production route for sugarcane polyethylene and oil based polyethylene are exactly the same, therefore the bio-based polymer has the same characteristics, quality and properties as the oil equivalent, whilst being made from renewable sources.

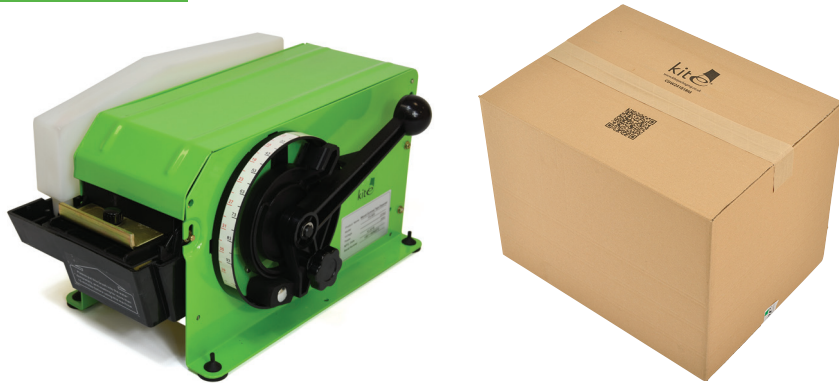
As you can see from the below graph, during the production of sugarcane based polythene 3.09 tonnes of CO<sub>2</sub> are removed from the atmosphere, whereas during the production of oil based polythene 1.93 tonnes of CO<sub>2</sub> is released into the atmosphere.

#### Carbon footprint comparison





## Environmental range



### Gummed paper tape & dispenser

- Manual and electronic dispensers available
- Tamper evident with an incredibly secure seal. The tape bonds directly with the box fibres giving high adhesion
- Able to withstand both high and low temperatures, gummed paper tape is almost impossible to tear off once applied
- Being paper-based, it is easy to recycle and if not re-inforced it is biodegradable- starch based adhesive that is biodegradable

### Self-adhesive paper kraft tape

- No water needed for activation
- Forms a strong lasting bond
- High resistance to moisture
- 100% recyclable



### Paper bubble wrap

- Environmentally friendly alternative to bubble wrap
- Made from 100% recycled material & 100% recyclable
- Highly absorbent properties



### Balers

- Compactors for cardboard, plastic, textile and much more
- All models have an integrated kicker for easy bale removal
- Bales can often be sold for recycling



### Shredders

- Our cardboard recycling shredders turn waste cardboard into a useful packaging material, for void fill
- A great cost-effective alternative to bubble wrap, paper void and other materials
- Save money and reduce your impact on the environment

If undelivered please return to: Direct Solutions, 7 Faraday Close, Oakwood  
Industrial Estate, Clacton on Sea, CO15 4TR

## Your UK packaging partners

- 7 RDC's covering UK
- Bespoke solutions
- Packaging technologists
- Aerospace & defence division



### History and ethos

Kite was founded from scratch in 2001 with a unique vision - To be the premier packaging supplier in the UK with a philosophy of employee-ownership. At Kite we believe that "customer satisfaction matters so much more when you own the business".

### In-box team

Void fill/Dunnage is a complex area with pack velocity, cost, customer perception and the environment all critical factors. Our team can help and advise.

### Load retention team

The safe movement of palletised loads is business-critical and often expensive. This dedicated team of engineers can carry out scientific audits of shrink film usage and machines to ensure safety and minimise costs.

### Packaging regulations

Kite's compliance division (Kite Environmental Solutions) advises a huge range of member-customers helping them to understand, assess and comply with their obligations.

02476 420065

[kitepackaging.co.uk](http://kitepackaging.co.uk)

*an employee-owned business*

