

allpack



A Better Package



Tapes

Packaging Guide

**PROCESS SUSTAINABILITY INDUSTRY PACKAGING
INTELLIGENCE DRIVEN FOCUSED SPECIALISTS**

A Better Package

Tapes

Packaging Guide

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How Can Allpack Support Your Business

On-site packaging consultations is something our team is passionate about. It's rather like an MOT. We will measure the health of your packaging process to ensure that it is road worthy and commit to any repairs that need to take place. Our team are able to assess when time is lost, excess packaging is being used, if shipping costs are too high and how to reduce your damages.

“At Allpack we have 3 decades of packaging experience you can tap into.”

Contact our team on:

sales@allpack.uk.com

01543 396 777

Reduce your carbon footprint

Consolidate packaging ranges

Increase packaging knowledge

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to contact us



Welcome To Allpack

Allpack is an international packaging manufacturer serving UK & European clients with industry-leading, recognised brands and products. Currently, the group turnover exceeds £240 million, including multiple manufacturing sites across UK, Europe and a global portfolio of suppliers our customers can rely on. We pride ourselves in our manufacturing and sourcing abilities, which results in competitive pricing across all our product ranges, for the benefit of our customers.

Our 6 UK distribution centres allow us to offer national distribution coverage for all our customers, with our Head Office and National Distribution Centre based in Cannock, in the West Midlands.

We actively invest in maintaining and expanding our range of industry acknowledged accreditations and certifications, ISO 14001 / 9001, FSC®, Sedex and BRCGS - Storage and Distribution, to ensure our customers are provided with the highest level of service and product quality, whatever is ordered, wherever they are located.



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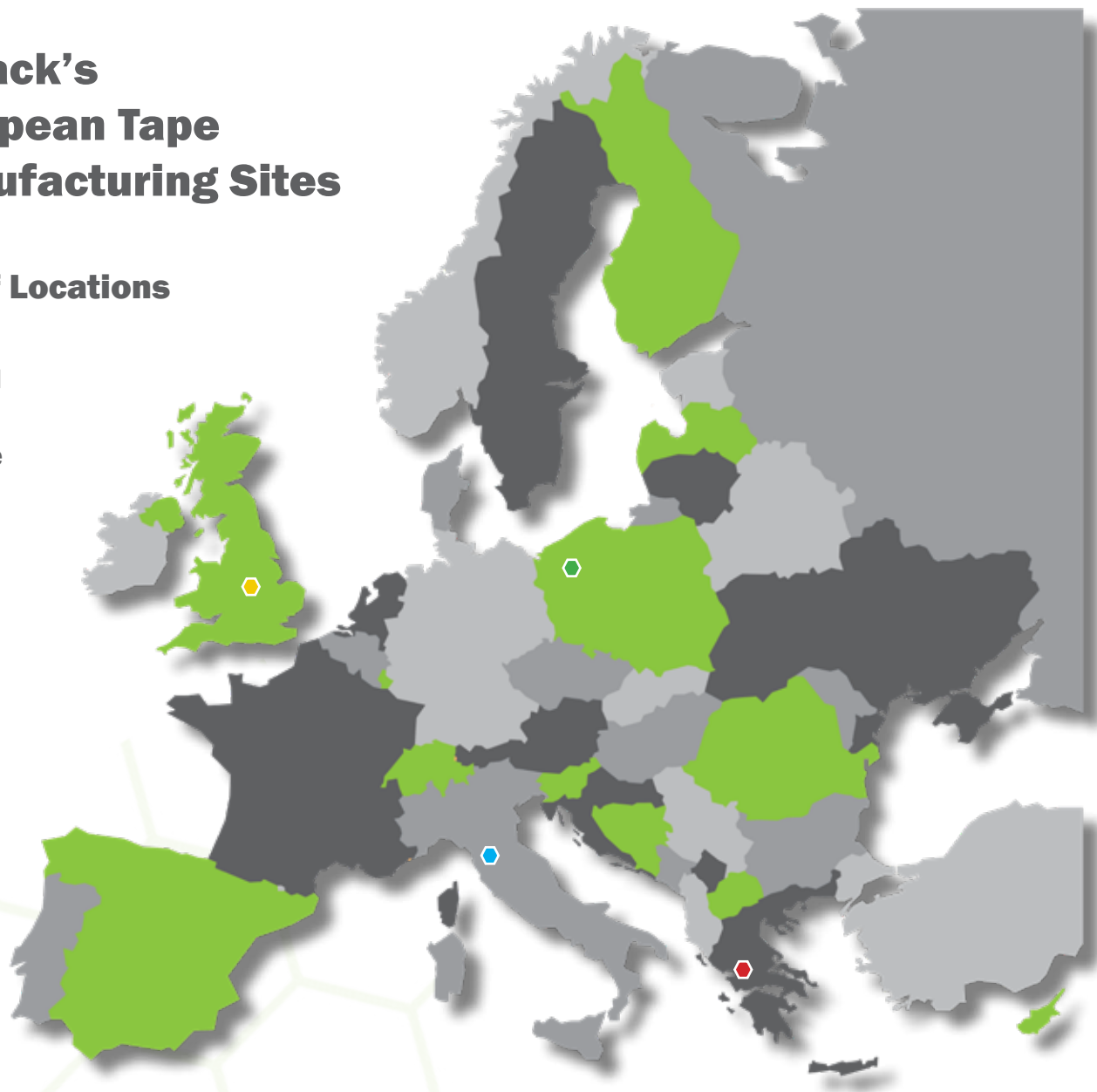
Sedex



Allpack's European Tape Manufacturing Sites

Key of Locations

- UK
- Poland
- Italy
- Greece



Tape Manufacturing

We partner with industry-leading tape manufacturing sites, which are based in the UK, across Europe and Globally, who provide us with the flexibility to manufacture a comprehensive range of pressure-sensitive, self-adhesive tapes that can be produced as plain or printed. Available with acrylic, water, hot melt and solvent adhesive types for numerous applications, which allows us to maintain an annual production capacity of over 600 million square meters of tape.

We have access to a large portfolio of machinery, production and operational capacities which include Adhesive Coating Machines and Slitting Machines, that can be deployed to meet our customers' requirements.

What is the process of making tape?

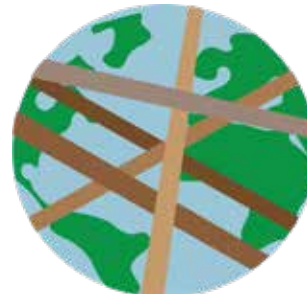
Tape Manufacturing Process (Film blowing → Glueing → Rewinding) after the film is blown, it is applied to the coating machine to add hot melt glue, water glue or other adhesives. In this process, the adhesive is selected according to the required viscosity and purpose of the tape.

Trusted Tape Brands

During the past 3 decades, Allpack has created a range of industry-accepted and recognisable tape brands that employ many features for use across a variety of industries and sectors for the benefit of our customers. We continually push the boundaries of adhesive tape manufacture with our range of new and sustainable products that are enhancing packaging processes and the packaging industry.

Fun Fact

In the last year at Allpack we sold 119,605 miles of tape, which wraps 5 times round the Earth which is half the way to the Moon.





Tape Types Explained

Selecting the correct type of tape is crucial to ensure the safe and secure transport of your products and can help maintain the sustainability profile of your business. Paper Tape and Polypropylene Tape are the most common types of tape used in packaging, with numerous additional options available that provide optimal performance for specific applications.

Paper

Paper Tape, also known as Kraft Tape, is a paper-based option that's biodegradable and environmentally friendly. It can be easily torn by hand and is commonly used for sealing cartons and packages. The tape can remain adhered to boxes after use, making waste management processes far simpler and is a great alternative in reducing our reliance on virgin plastic tapes. A recent innovation has been reinforced paper tape that is suitable for heavy-duty applications, which features specially integrated strengthening strands to provide maximum carton security and tape efficiency.

Polypropylene

Mainly used in industrial settings that require heavy-duty packaging, polypropylene tape is made from synthetic material, often making it sturdier and more durable than paper tape. The use of plastic also means the tape is resistant to tearing, moisture and abrasion, making it suitable for use in harsh environments. Polypropylene Tape is also available in a range of thicknesses and has a synthetic adhesive that is intended to stick to various surfaces, including plastic, metal and cardboard.

PVC

Made of polyvinyl chloride, PVC Tape is known for its high durability and strength, making it ideal for heavy-duty applications. It is also resistant to moisture and chemicals, making it perfect for use in challenging environments and industrial spaces. For this reason, PVC Tape is often available in various colours and styles, increasing safety and helping to segment and separate materials and work areas.

Crossweave Tape

Designed to resist tearing and punctures, Crossweave Tape provides outstanding strength and durability, making it ideal for securing heavy or bulky items. Crossweave Tape is also available in various widths and strengths, enabling you to select the appropriate tape for your specific requirements. This produces the perfect option for securely bundling goods and reinforcing boxes without excess material.

Masking Tape

Masking Tape is made of thin, crepe paper coated with a low-tack adhesive. It is designed to be easily removable without damaging the surface it was applied to, making it the ideal choice for protecting surfaces during painting or other similar applications.

Duct Tape

Recognised for its strength and durability, Duct Tape or Cloth Tape as it is also known, is a popular choice for a wide range of applications, including packaging, construction and automotive repair. The tape has a layer of cloth and film laminated together to give it strength and robustness. Its material is then coated with a generous layer of adhesive, for maximising tack and assured consistency and performance, with added resistance to abrasions.

Choosing The Correct Tape For Your Needs

Selecting the correct type of tape for your packaging application will depend on several factors that need to be taken into consideration to ensure your packed goods remain sealed and secure during transit. Factors such as the content's weight, box dimensions and the external environment where the products are being transported, all play a critical role in tape selection. I.e. a business packaging frozen goods internationally would need a completely different tape specification compared to a business distributing office supplies around the UK.

Additionally, businesses need to ask themselves some of the following questions, that will help to select the correct tape for them are:

- What temperatures will the taped parcel be subjected to?
- Will the tape be applied via hand or machine?
- Are you trying to reduce your Carbon Footprint?
- Is tamper-proofing high on your agenda?

Allpack takes the pain out of selecting the correct tape for your packaging requirements as we work with our clients to help answer these questions, helping to narrow down the type of tape that will be most beneficial for your packaging operations and enhance your packing processes.

Our extensive tape ranges allow you to choose from recycled plastics (Plastic Tax Compliant), kraft paper, reinforced paper, cloth and PVC & Vinyl to meet your requirements and specifications. Having long-standing supply chain partners allows us the ability to specify bespoke tape ranges for our clients.

Selecting The Correct Adhesive Type

Selecting the correct adhesive type is becoming increasingly important as the demand for sustainable options increases. Each adhesive type has different properties and can affect what type you will need for not only the products you are shipping out, but also the environment in which the taped goods will be exposed.

Below is a helpful table that explains the features and benefits of the various adhesive types -

| Adhesives | Acrylic | Hotmelt | Solvent | Gummed |
|--------------------------------|---|---|--|--|
| Features & Benefits | <ul style="list-style-type: none"> Low cost Tear resistant Less pressure required on application | <ul style="list-style-type: none"> Stronger adhesion compared to acrylic | <ul style="list-style-type: none"> More costly Greatest operational range Ideal for extreme temperatures E.g. Importing/exporting | <ul style="list-style-type: none"> Water activated Needs a machine Natural adhesive |
| PP | Yes | Yes | Yes | No |
| PET | Yes | Yes | Yes | No |
| PVC/Vinyl | Yes | Yes | Yes | No |
| Paper | Yes | Yes | Yes | Yes |
| Operational Temp. Range | -10 °c to +60 °c | -5 °c to +50 °c | -20 °c to +60 °c | 0 °c to +50 °c |

Sustainability Of Tape

At Allpack, we focus on providing you more sustainable options, it's something as a company we feel very passionate about. Packaging Tapes aren't always the most sustainable products, but at Allpack we endeavor to seek and provide the most sustainable and user friendly options. Innovating sustainability and creating products that can easily be recycled via curbside, are part of our long-term objectives.

In essence sustainable packaging should be sourced responsibly, so even the ink, adhesives and coatings should be considered through the lifecycle of the product. All end-of-life scenarios should be considered, and the appropriateness of packaging designed to facilitate maximum recovery and materials, using the minimum amount of energy.



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Sustainability Of Tape

In today's sustainability-focused commercial environment, businesses are becoming increasingly aware of the environmental impact of their operations. One significant aspect is measuring and reporting carbon emissions/carbon footprint associated with packaging use, including packaging tapes.



Allpack provides a range of comprehensive services to assist businesses in measuring and reporting their packaging-related carbon footprint. We employ industry-leading methodologies to calculate carbon emissions, accounting for every element in the entire packaging life cycle and businesses' essential commercial and operational factors, resulting in detailed reports that break down emissions into several key packaging areas. This enables companies to identify essential points for emissions reduction, make guided adjustments to their processes and forecast necessary changes to their systems ahead of time.

Drawing from the analysis, we can produce customised recommendations to help businesses reduce their packaging-related carbon footprint. This may involve exploring sustainable taping alternatives such as switching from conventional plastic tape to paper tape alternatives.



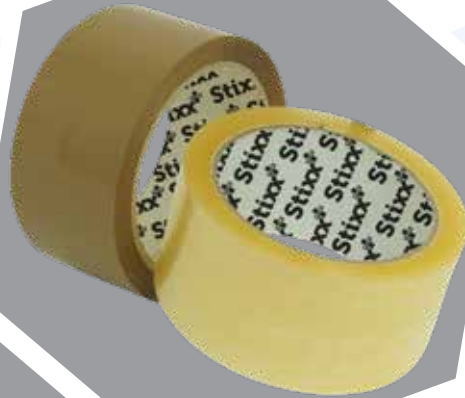
Introducing our Vegan Tape Range

Many of our products are sustainability certified, as we are continuously developing eco-friendly packaging solutions to help protect our planet. We have recently developed and introduced a new line of Vegan-Friendly products, helping our customers feel assured that we are not only protecting the environment, but wildlife too. Our Vegan-Friendly range reflects the increased importance of this movement and market share, with the range being manufactured using glue, starch, paper and inks which are sourced from eco-conscious suppliers.



Sustainable Taping Packaging Solutions

12-13



SOLVE X
CROSSWEAVE TAPE

Polypropylene Tapes

Polypropylene Tapes, also known as the premium packaging tape, are designed to tackle every application from the simple to the most challenging, saving space and time and reducing waste.

Our polypropylene tapes are constructed with a high tack adhesive, providing versatility and reliability to your packing operations. The end result is a strong bonded tape that adheres to a wide range of materials and surfaces, performing optimally in ambient temperatures. With roll lengths from 100-150m a single roll of our polypropylene tape can hold the equivalent of up to 2.26 rolls of standard packaging tape - in turn reducing waste by up to 56%, reducing storage space requirements and saves users time, as less roll changes are needed.

At Allpack we are continuously looking at ways to be more sustainable, which is why we've made our HawkTape™ Plus range include 30% recycled content.

Existing Brands



New 2024 Brands





Polyethene Terephthalate Tapes

Our Polyethene Terephthalate Tape - PETraTape® is made from the most widely recyclable plastic on the market, this robust sealing solution offers high levels of adhesion at both high and low temperatures and is lightweight in construction for simple storage and carton application.

Built with at least 85% recycled content and a reduced thickness, a 20% reduction in plastic is achieved, increasing sustainability and assuring Plastic Packaging Tax-compliance.

A high mechanical resistance to tearing ensures optimal performance across a range of uses, with freezer-grade rubber adhesive ensuring cartons remain sealed in transit.

PETra Tape Benefits

- Made from highly recyclable PET
- Strong adhesion in high and low temperatures
- Plastic Packaging Tax compliant
- Most eco-friendly adhesive tape on the market
- High tensile strength, resulting in less tape required to adequately seal cartons
- 200m rolls on a 2 inch core - saving up to three times as much tape per roll, resulting in storage space saved



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to visit our
PETraTape
range

Paper Tapes

Boxbond™ is an innovative, eco-friendly paper tape solution compared to conventional parcel tape, meaning a single strip can seal a carton easily and effortlessly. Boxbond™ has been designed for ease of use and reduces core changes, being 50% wider than conventional tapes. Boxbond™ is available in water-activated gum, self-adhesive backed or reinforced versions which are all kind to the environment and versatile in their use. Boxbond™ is manufactured from Kraft Paper that can be recycled using existing curbside processes, making it easier for the end-user/consumer. Additionally, being paper-based Boxbond™ is biodegradable, compostable and vegan-friendly, with Kraft Paper being able to be recycled and reused up to seven times.

Boxbond™ X series is our reinforced paper tape range that offers increased anti-tamper-proof performance and strengthens the integrity of the parcel. Manufactured with special integrated strengthening strands that provide maximum carton security and tape efficiency, reduces costs and increases packing efficiencies. Boxbond™ X series can be housed in any standard tape dispenser, maximising your existing packaging processes, without the need for expensive dispensing units.

Allow your brand or message into the warehouse with a logo or image printed directly onto the tape. Choose from one, or up to three colour printing to enhance your consumer's packaging experience or provide valuable delivery instructions, such as 'fragile' or 'handle with care'.



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to visit our
Boxbond™
range



PVC & Vinyl Tapes

V-Pro is our PVC & Vinyl tape brand that is known for its high durability and strength, making it ideal for heavy-duty applications. V-Pro is typically used to create air-tight seals, given the tapes' density and heavy-duty characteristics. V-Pro is a strong self-adhesive insulation tape that is used across many industries and in various environments and applications, such as isolating electrical wires and in harsh environments, where conventional tapes would fail.

V-Pro tape is available in a wide range of colours and widths, this high-quality super strength tape can be torn by hand and is ideal for sealing heavy cartons and bundling small objects.

Compatible for use with hand, conventional tape dispensers and bag neck sealers. Its smooth silent unwind makes it ideal for use in working environments.

V-Pro Benefits

- High-strength
- Easily Torn by hand
- Silent unwind
- Ideal for high-volume use
- Available in various colours



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to visit our
V-Pro range



Cloth Tapes

Vulcan is our duct tape brand that is recognised for its strength and durability and can be used in a wide range of applications, including packaging, construction and automotive repair, to name but a few. Vulcan tape is constructed with a layer of cloth and film laminated together which provides its high strength and robustness. A generous layer of adhesive is then added to the tape, which provides its excellent grab characteristics.

Vulcan cloth tape is moisture resistant, which prolongs its bond in moist and humid environments, with a high-tack adhesive that sticks well to most surfaces. Hard-wearing and resistant to scuffs and abrasions allows the tape to be used as permanent fix, due to its heavy-duty manufacture.

Vulcan Benefits

- High-tack adhesive
- Ultra-strong
- Resistant to rips and loosening
- Easily torn by hand



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to visit our
Vulcan range



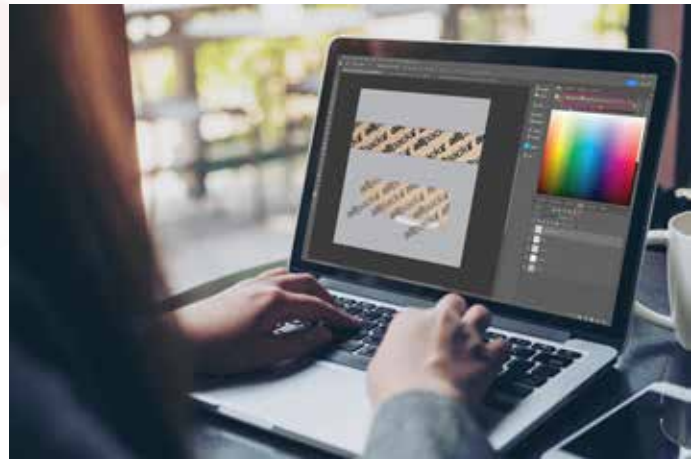
Bespoke Printed Tapes

With our three decades of packaging know-how to bring to your project, we have the design skills, product and material knowledge to assist in customising your packaging requirements to enhance your brand appearance, properly protect your product in transit, or create bespoke packaging to meet our customer's specifications.

For clients who want to take advantage of our bespoke tape range, choose from either one of the default printed tape lines or if you wish to place your brand/artwork on the tape rolls, we can assist with our state-of-the-art packaging design suite, to help realise your design aspirations.

Allow your brand or message into the warehouse with a logo or image printed directly onto the tape. Choose from one, or up to three colour printing to enhance your consumer's packaging experience or provide valuable delivery instructions, such as 'fragile' or 'handle with care'.

Speak to us today, to allow us to take the pain out of specifying bespoke packaging, as we work in partnership with you to achieve your packaging goals, for a better package.



Printed tapes are designed by our in-house packaging design suite.

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to see view
our bespoke
Tape range



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to find out more
on our Wrist-Ease
Dispenser

Hand Held Tape Dispensers

Allpack understands our client's needs in today's efficient packing areas for an easy-to-use, robust and effective hand-tape applicator and handgun, ensuring that an efficient packaging process is in place.

Our manual hand tape dispenser range provides users with the ability to choose from different tape core sizes to meet the needs of the operator and are suitable for both plastic and paper tape options. Our hand tape dispensers allow the user to effortlessly switch out spent rolls, adjust the tape's tension and activate the noise reduction mechanisms for effortless usage and operator comfort, in a lightweight unit.

To keep ahead of the competition, we take new product development improvements seriously by developing new and innovative products, with many becoming packaging industry recognised products and brands.

The Future of Tape Guns is Here!

Introducing Wrist-Ease™ the newest hand tape dispenser from Allpack, that has been specifically created with the operator in mind. The back plate has been ergonomically designed to reduce operator repetitive wrist strain (RSI) injuries. The handgun also includes a heavy-duty magnet to allow easy storage on the sides of packaging benches or forklift units, stored right where and when you need it.



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to see our
Hand Tapers
Range



Tape Machines

Allpack has an extensive range of automated, desktop and hand-held machine tapers to integrate into your existing packaging operations, which will enhance your packing process, staff efficiencies and resource management, giving you the ability to cost-effectively track materials usage, taking your operations to the next level.

Select from semi and fully automated taping machines that utilise market-leading technology that automatically adjust to various carton sizes and feature programmable taping modes to speed up operational processes in large warehouses or heavy throughput packing areas.

Suitable for a range of industrial sectors and contents, from food, e-commerce, pharmaceutical or chemical sectors, especially where clean rooms are required.

Our market-leading range of tape machines includes recognisable brand names with innovative features that are scalable as your operations grow.

Introducing a revolutionary change in form and function for the packaging area, the Grip® Taper is a handheld or desktop-mounted, battery operated, programmable automated water-activated tape dispenser that provides user flexibility as there are no restrictions on where the taper can be used, allowing complex and slow-to-tape carton operations to be sped up.

All our automated tape machines are backed by extensive warranties and reliable after-care service support.



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to see our
Tape Machine
Range



Plastic Packaging Tax Explained

The UK has taken a notable step towards a more sustainable future with the enforcement of the Single-Use Plastic Ban, which came into effect in 2022. The Single-Use Plastic Ban prohibits the sale and distribution of certain single-use plastic items in the UK. This includes plastic straws, stirrers and cotton buds, which help create a detrimental impact on marine life and ecosystems.

By curbing the consumption of single-use plastics, the ban is designed to make a substantial reduction in pollution levels across oceans and landfills.

The Single-Use Plastic Ban presents a unique opportunity for businesses to pioneer innovative, sustainable alternatives. We work with our global supplier base to invest in research and development for eco-friendly materials and packaging solutions to not only comply with current regulations but also lead the charge in shaping a more sustainable future. This pursuit of sourcing alternative solutions to existing issues not only aligns with our environmental goals, but feeds into our culture of innovation and enhances our product development initiatives.

Being Packaging Specialists, we have the industry knowledge, industry links and expertise to assist our clients navigate through the legislative processes and procedures that affect the packaging sector and companies that operate within it.

Our website blog content provides access to our Thought Leadership articles that cover a range of packaging industry-related subjects, including legislative changes and updates. Subscribe today at www.allpack.uk.com to not miss out on any updates.

Further reading on the Plastic Packaging Tax can be located via the HMRC website - www.gov.uk

Frequently Asked Questions

How long does it take for products to biodegrade?

European standards suggest that for anything to be biodegradable, 90% of it must break down into 2mm pieces within 6 months.

What are the properties of paper tape?

Both our gummed and adhesive backed paper tape are made from % renewable Kraft Paper. It is also biodegradable, compostable and can be recycled up to seven times.

Does paper tape work the same as plastic tape?

Yes, it does. The tape actually works better acting as a tamper proof seal for cartons and can also remain on cardboard boxes for recycling purposes.

**Contact us on 01543 396777 or email sales@allpack.uk.com
to discuss your packaging solutions in more detail**

Recyclable Material Factsheet

| Type | Made from renewable material | Biodegradable | Recyclable | Compostable | Product examples |
|---------------|------------------------------|---------------|------------|-------------|----------------------------|
| Wood | YES | YES | NO | YES | Pallets, crates |
| Cardboard | YES | YES | YES | NO | Boxes, bookwraps |
| Paper | YES | YES | YES | NO | Tape, voidfill, roll, bags |
| Polypropylene | NO | NO | YES | NO | Tape, strapping |
| Polystyrene | NO | NO | YES | NO | Voidfill |
| Polythene | NO | NO | YES | NO | Bags, shrink wrap |
| Polyester | NO | NO | YES | NO | Strapping |

Learn more about what can be recycled at:

www.allpack.uk.com/sustainable-packaging

All information correct at time of print E&OE. V1 01 24



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