TAMPERTECH

TAMPER EVIDENT SOLUTIONS GUIDE

Stop Tampering. Reduce Losses. Protect Your Brand.

A practical guide to choosing tamper evident labels, tapes and bag tape systems - with the evidence, options and next step made clear.







Not sure what you need? **Send us the pack.**

Security Lab
SCAN QR CODE

Explore products
SCAN QR CODE

START HERE

Start from what you know.

You do not need a product code before speaking to us. Start with the problem, the application or the product family.

01 I have a security problem

Something is being opened, swapped, accessed, disputed or returned — and you need the interference to become visible.

Security Lab
SCAN QR CODE

02 I know what needs securing

Carton, bag, vial, tote, pallet, closure, cabinet, asset or another application point.

Browse applications
SCAN QR CODE

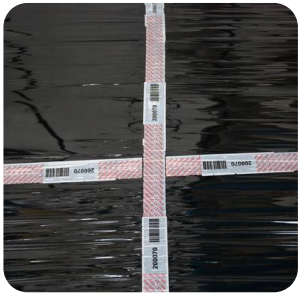
03 I know the product family

Labels, tape, bag tape, paper security or converter material.

Browse products
SCAN QR CODE

Use this booklet in a meeting: open the relevant product page, see what the seal tells you, then scan for a sample, video or technical route.







THE PROBLEM

If a pack can be opened and made to look untouched, you have a visibility gap.

Tamper evidence does not make a pack impossible to open. It makes interference difficult to hide, so the next person in the chain can see that something changed.



01
Undetected access
Cartons, bags or assets opened between handover points.

02
Returns fraud
Used, swapped or substituted goods presented as unopened.

03
Substitution
Original contents replaced while the pack still looks intact.

04
Disputed custody
No visible record of where in the journey interference occurred.

The goal: **make the right attack leave the right evidence.**







HOW IT WORKS

What the seal tells you depends on the construction.

Some constructions keep the evidence inside the label. Others transfer it to the pack. Some do both. Destructible materials show physical damage instead.



NON-RESIDUE

Evidence stays in the label.
The receiving surface is left clean.



TOTAL TRANSFER

Evidence remains on the pack and in the label.
Ideal where permanent marking is useful.



HYBRID / PARTIAL

Evidence transfers but can be removed later.
Useful where the pack may be re-used.



DESTRUCTIBLE

The material itself breaks up.
The seal cannot be lifted intact and re-used.

Every product page includes a **WHAT THE SEAL TELLS YOU** panel so the behaviour is clear before you request samples.

THE TAMPERTECH SECURITY LAB

Not sure which construction is right? Start with the application.

Bring us the pack, the surface or the problem. We will help narrow the route, test where needed and match the evidence to the way your product is really handled.

SEND US THE PACK
SCAN QR CODE

1
SHOW US THE APPLICATION

Pack, photos, drawings or a short video of the sealing point.

2
DEFINE THE ATTACK METHOD/S

Peel, blade, heat, cold, water, solvent, substitution or reclosure.

3
TEST THE VARIABLES

Surface, temperature, moisture, handling, line speed and application method.

4
MATCH THE ROUTE

Recommended construction, samples where useful, and a quotation.







THE RANGE AT A GLANCE

Eight core routes. What evidence do you need?



Permanent labels

Evidence on pack + label



Non-residue labels

Evidence in label, clean surface



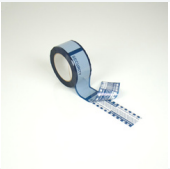
Paper labels

Permanent and non-residue options - plastic free security



Paper tape

Carton security with paper face / plastic free



Box tape

Cartons, pallets and logistics



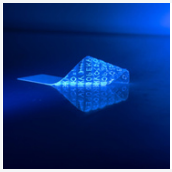
Bag tape

Security bag closure systems



Master rolls

Converter-ready material



Specialist security

UV, cuts, destruct, numbering + more

FULL PRODUCT RANGE
SCAN QR CODE

WATCH PRODUCTS IN ACTION
SCAN QR CODE

Paper permanent tamper evident labels









WHAT IT IS

Paper security labels designed to leave visible evidence when removed or disturbed.

WHY IT'S NEEDED

Use them when a paper face is preferred for the pack, print finish or material strategy, while still requiring a clear opening record.

WHAT THE SEAL TELLS YOU

Depending on construction, evidence can appear as transferred VOID, physical fibre damage or both.

BEST FOR

Cartons, document packs, pharma, electronics, food and beverage packaging, legal/document security and other paper-led packs.

OPTIONS Custom VOID • surface/sub-surface print • size/shape • finger lift • barcode/QR • numbering • DNT • cuts • holograms • UV

PAPER SECURITY RANGE
SCAN QR CODE

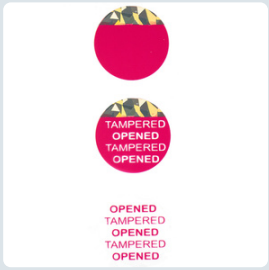
WATCH PAPER DEMO
SCAN QR CODE

Filmic permanent tamper evident labels









WHAT IT IS

A permanent label is designed to leave a visible security message or transfer pattern when removal is attempted.

WHY IT'S NEEDED

Use it when a broken seal should remain obvious on the receiving surface after the label has been lifted.

WHAT THE SEAL TELLS YOU

The VOID / OPENED evidence remains on the pack and is also visible in the separated label construction.

BEST FOR

Single-trip packaging, documents, fibre cartons, plastic packs, metal containers, pharma packs, film wrap and glass.

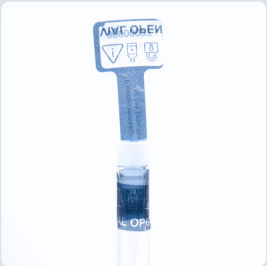
OPTIONS Custom VOID • surface/sub-surface print • size/shape • finger lift • barcode/QR • numbering • DNT • cuts • holograms • UV

PERMANENT LABEL RANGE
SCAN QR CODE

WATCH LABEL DEMOS
SCAN QR CODE

Paper or Film Hybrid/Partial transfer tamper evident labels









WHAT IT IS

a hybrid construction that leaves a security VOID on the surface after lifting, but can be rubbed off easily, for the surface/pack o be re-used.

WHY IT'S NEEDED

useful where visible evidence is needed at inspection but the pack or asset may later be reused.

WHAT THE SEAL TELLS YOU

Confirm the product or place has been entered, opened or interfered with, but able to re-use the package or keep the packaging as a collector if desired.

BEST FOR

Document Boxes, Evidence storage, High value Shoes, Watches and Jewellery, Perfumes, Cosmetic products and so much more.

OPTIONS Custom VOID • surface/sub-surface print • size/shape • finger lift • barcode/QR • numbering • DNT • cuts • holograms • UV

Paper non residue tamper evident labels









WHAT IT IS

A paper construction that combines visible tamper evidence with clean removal from the receiving surface.

WHY IT'S NEEDED

Use it where the appearance of paper matters but the surface must remain clean and presentable after the seal is removed.

WHAT THE SEAL TELLS YOU

The security feature activates in the label when disturbed; the receiving surface is designed to avoid unwanted adhesive transfer or marking.

BEST FOR

Reusable packaging, electronics, documents, pharma products, retail goods and logistics applications where clean removal matters.

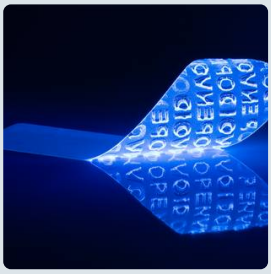
OPTIONS Custom VOID • surface/sub-surface print • size/shape • finger lift • barcode/QR • numbering • DNT • cuts • holograms • UV

PAPER SECURITY RANGE
SCAN QR CODE

WATCH PAPER DEMO
SCAN QR CODE

Filmic non residue tamper evident labels









WHAT IT IS

A pressure-sensitive label that reveals an irreversible VOID / OPENED message within the label when it is lifted.

WHY IT'S NEEDED

Use it when you need visible evidence of access without leaving adhesive or a security message on the receiving surface.

WHAT THE SEAL TELLS YOU

The evidence stays within the label. The pack, asset or surface is left clean, but the label cannot return to its original appearance.

BEST FOR

Aircraft doors, cabinets, equipment, electronics, camera phones, high-value packs, ATM cassettes, fuel caps and reusable assets.

OPTIONS Custom VOID • surface/sub-surface print • size/shape • finger lift • barcode/QR • numbering • DNT • cuts • holograms • UV

NON-RESIDUE LABEL RANGE
SCAN QR CODE

WATCH NON-RESIDUE DEMOS
SCAN QR CODE

Paper tamper evident tape









WHAT IT IS

Paper security tape engineered for cartons and outer packaging rather as a plastic free option to secure packages.

WHY IT'S NEEDED

Use it when the carton needs both closure and visible evidence of interference, with a paper material choice to be plastic free.

WHAT THE SEAL TELLS YOU

Removal can reveal a customised VOID / OPENED message, physical fibre tear, or a combination depending on specification.

BEST FOR

Cartons, parcels, logistics, 3PL, e-commerce and high-risk shipments using paper/card outer packaging.

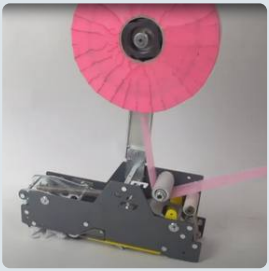
OPTIONS Overt or covert • perforated/non-perforated • custom colour • custom VOID • manual or automatic application • widths from 27mm • lengths from 10 meters per roll

PAPER TAPE RANGE
SCAN QR CODE

WATCH PAPER TAPE
SCAN QR CODE

Filmic Tamper evident tape









WHAT IT IS

Security tape applied like ordinary packaging tape but engineered to split or transfer a hidden message when lifted.

WHY IT'S NEEDED

For carton closure and visible evidence of interference, with a paper material choice, to have plastic free secure packaging.

WHAT THE SEAL TELLS YOU

A custom permanent VOID / OPENED message appears in the tape and transfers to the carton so it cannot be realigned and made to look untouched.

BEST FOR

Cartons, boxes, shrink wrap, parcels, bags, pallets and logistics workflows.

OPTIONS Overt or covert • perforated/non-perforated • sequential numbers • barcodes/QR • custom colour • custom VOID • manual or automatic application • widths from 27mm

BOX TAPE RANGE
SCAN QR CODE

WATCH BARCODE TAPE
SCAN QR CODE

BOX TAPE OPTIONS

Do you want the security to advertise itself?

The tape can deter before an attack, or look ordinary until somebody tries to remove it.



OVERT

Surface print makes it obvious that a security system is in place. Useful when deterrence and fast visual checking matter.



COVERT

Looks more like ordinary tape until removal reveals the hidden message. Useful when you do not want to advertise the check.









ADD TRACK & TRACE

Sequential numbering, barcodes and QR codes tie the physical seal to a consignment record, so the receiving check is against an identifier rather than memory.

WATCH BARCODE TAPE
SCAN QR CODE

TAPE OPTIONS
SCAN QR CODE

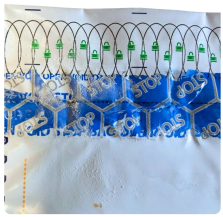
OVERT / COVERT VIDEOS
SCAN QR CODE

Security bag tape

Bag tape is specified as a layered security system. Each level adds another way for an attack to become visible.

LEVEL 2	VOID + cold VOID
LEVEL 3	+ thermochromic heat evidence
LEVEL 4	+ security cuts
LEVEL 5	+ hidden UV print
LEVEL 6	+ water fugitive ink











OPTIONS

- custom VOID design
- security cut designs
- 20 - 45mm widths
- up to 2000m pancake roll lengths
- 8000lm bobbin reels
- liner choices
- heat/cold/UV/water options
- tape colours
- thermochromic colours

Bag tape enquiry
SCAN QR CODE

Bag manufacturer or converter?

Talk to us about the security level, line format and roll specification.

Master, laminate & jumbo rolls





WHAT IT IS

Converter-ready tamper-evident material supplied for downstream printing, die-cutting and finishing.

WHY IT'S NEEDED

Use it when you manufacture labels or security products yourself and need consistent tamper activation, adhesive chemistry and scalable roll format.

WHAT THE SEAL TELLS YOU

The finished converted label or seal activates the specified VOID / transfer behaviour built into the master material.

BEST FOR

Label converters, packaging manufacturers, flexo/digital printers and specialist security-product producers.

OPTIONS PET / BOPP / Paper • permanent / non-residue / freezer-grade • fully customised activation • 250–750m lengths • glassine liner

TALK TO CONVERTER TEAM
SCAN QR CODE

SEE CONSTRUCTIONS IN ACTION
SCAN QR CODE

PRINT-READY SECURITY

Print variable data without losing the tamper evidence.

The print changes from label to label. The security behaviour remains engineered into the construction.



Thermal transfer

Suitable where variable data is printed on demand using a ribbon-based process.



Direct thermal

Print variable data without a ribbon, available in filmic or paper constructions and permanent or no-transfer variants.

WHAT THE SEAL TELLS YOU

Printed data can change, but any attempt to lift or alter the applied label still reveals an irreversible security message.

Useful for serialised labels, barcodes, QR codes, logistics IDs, distributor stock and short-run variable data.

DIRECT THERMAL RANGE
SCAN QR CODE

MATCH TO YOUR PRINTER
SCAN QR CODE

SPECIALIST LABEL CONSTRUCTIONS

When standard permanent or non-residue is not enough.



Ultra Destruct

Permanent destructible material that fragments when removal is attempted.

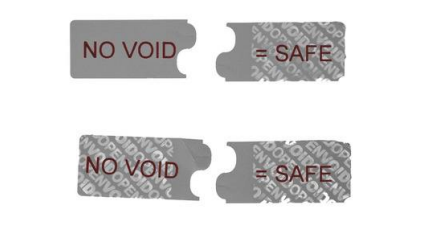
Seal tells you: the physical destruction is the evidence.



Ultra Sensitive

High tack non-residue route for a wider variety of surfaces, including secure camera-cover applications.

Seal tells you: VOID in the label, clean receiving surface.



High Temperature

Specialist materials to work in specific environments such as car tyres or engines.

Seal tells you: working with your environment from freezers to engines to ensure tamper evidence is visible.



Dead Centre

An adhesive-free centre can make a label easier to use across closures, necks or specialist sealing points.

Seal tells you: the evidence is engineered around the active adhesive zones.

SPECIALIST LABELS
SCAN QR CODE

TEST A DIFFICULT APPLICATION
SCAN QR CODE

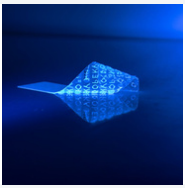
BUILD THE SECURITY

Make the seal work harder - only where it adds value.



Security cuts

Weakening patterns cause tearing or separation during removal.



UV security

Covert print fluoresces under black light for authentication or inspection.



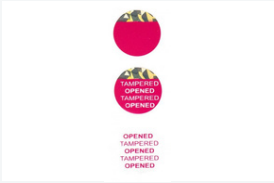
QR & barcodes

Link physical seals to track-and-trace, records or customer interaction.



Sequential numbers

Give each seal a unique identity and a checkable record.



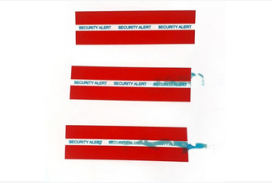
Holograms

Add visible authentication and anti-copy complexity.



Thermochromic

Heat exposure triggers a permanent colour or message change.



Water fugitive

Moisture attack changes or removes printed evidence so liquid interference becomes visible.



Dual number tabs

Duplicate numbering helps assign and record a seal without copying the number by hand.



Any shape or size

Die-cut formats place the seal exactly where the closure or asset needs it.



Finger lift

Adhesive-free edge improves hand application and reduces contact with the adhesive.



Surface print

Branding, warnings, instructions, identifiers and deterrent graphics on top.



Sub-surface print

Print is built into the tamper construction, protecting it from abrasion and alteration.

CUSTOM SECURITY OPTIONS
SCAN QR CODE

WATCH FEATURE DEMOS
SCAN QR CODE

THE SCIENCE THAT CHANGES THE ANSWER

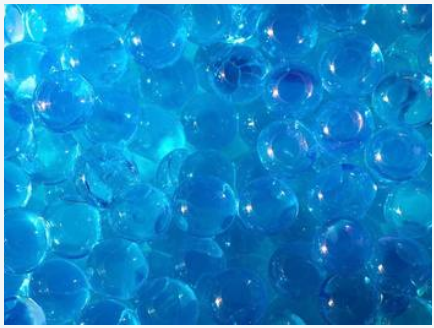
The right adhesive starts with the real surface.

Roughness, porosity, coatings, cleanliness, flexibility, temperature and moisture all affect whether tamper evidence activates reliably.



LOW SURFACE ENERGY

Many plastics, rubbers and composites can be harder to bond to consistently.



HIGH SURFACE ENERGY

Glass, painted metals and similar surfaces generally allow better adhesive wet-out.

ROUGHNESS

POROSITY

CLEANLINESS

TEMPERATURE

FLEXIBILITY

MOISTURE

COATINGS

WHY THIS MATTERS

A perfect label on the wrong surface is still the wrong solution. Sample testing on the real pack is the reliable way to confirm suitability.

SEND US THE SURFACE
SCAN QR CODE

READ THE FAQ
SCAN QR CODE

APPLICATION & INTEGRATION

A security product only works if it fits the process.



01

BY HAND

Finger lift, liner, placement and pack-station practicality.

02

DISPENSER

Roll direction, core and tape handling matched to the workstation.

03

AUTOMATED LINE

Line speed, web tension, core, liner and feed direction engineered to fit.

04

REAL ENVIRONMENT

Chilled, frozen, humid, dirty, hot, wet or outdoor conditions included in the specification.

SHOW US YOUR LINE
SCAN QR CODE

WATCH APPLICATION VIDEOS
SCAN QR CODE

WHY TAMPERTECH

Application-led security, not catalogue guessing.

The strongest brochure claim is not that one product solves everything. It is that the product is specified around the real pack, surface, process and security risk.

24+ YEARS

Solving tamper-evident applications

UK MANUFACTURED

Designed and made in Ashbourne, Derbyshire

ISO & EcoVadis CERTIFIED

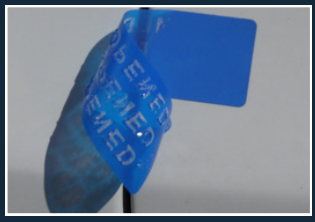
Quality, environmental and H&S management systems

TEST BEFORE SCALE

Samples and application testing where required







VISIT TAMPERTECH.COM
SCAN QR CODE

USE THE SECURITY LAB
SCAN QR CODE

TURN THE BOOKLET INTO AN ENQUIRY

Choose the fastest route to the right answer.

A
I know what I need

Product, size, quantity or specification already identified.

REQUEST A QUOTATION
SCAN QR CODE

B
I want to test it

See how the construction behaves on your own pack before production.

REQUEST SAMPLES
SCAN QR CODE

C
I am not sure

Send the pack, surface or application problem and let the technical team narrow the route.

SECURITY LAB
SCAN QR CODE

What helps us specify faster

What are you sealing?	Surface / material
Dimensions	Temperature / environment
Application method	Annual volume
Print / VOID requirement	Security features needed

TAMPERTECH

LET'S SOLVE THE APPLICATION

Show us the problem. We will help specify the solution.

Samples, quotations and technical support for tamper evident labels, tapes, bag-tape systems and converter materials.

SAMPLES & QUOTATION
SCAN QR CODE

SECURITY LAB
SCAN QR CODE

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