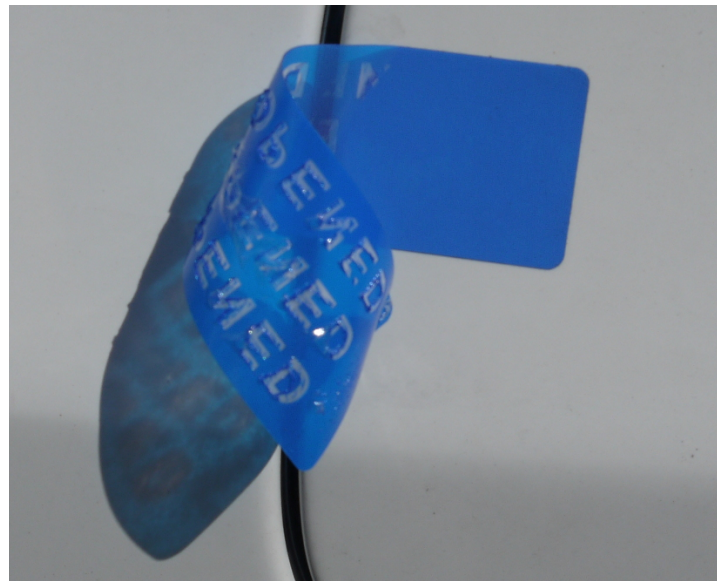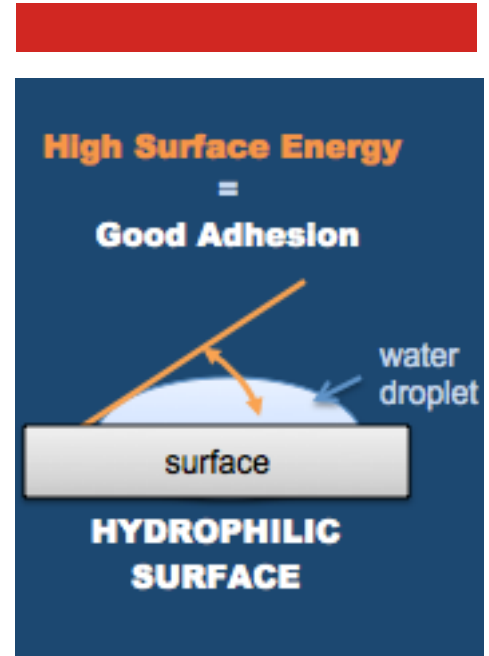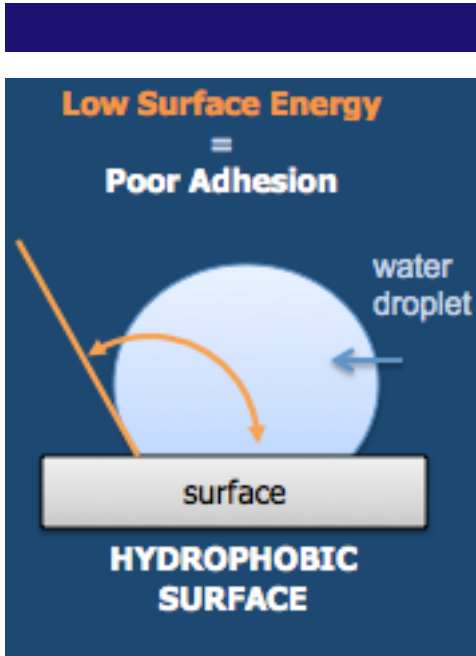# TAMPERTECH

SECURITY

TAPES &

LABELS

TAMPER EVIDENT SOLUTIONS

- Providing clear visual proof of tampering
- Protecting against theft, terrorism and counterfeiting
- Adding a new layer of security; simply, cost effectively and quickly

SURFACE ENERGY
The right label, for the right surface

Low Surface Energy

These surfaces are hydrophobic, which means they hate water.

If the water droplet has a high angle from the surface it demonstrates that the surface doesn't like water and is therefore hydrophobic.

A hydrophobic surface has a low energy with the following properties:

- Poor Adhesiveness
- Poor Wettability

Low energy surfaces are typically acrylic, plastics, rubber and composites.

These surfaces are harder for labels and tapes to stick to.

All Surfaces have Energy

Tamper evident products; tapes and labels are only as effective as the surface they are applied to.

The surface condition must be considered: roughness, smoothness, porosity, coated, uncoated, cleanliness, flexibility, temperature conditions, wet or dry, and finally the energy of the surface.

All surfaces have energy associated with them, because work is needed to form them. These are the forces that are required to hold the molecules together to form the surface, whether it is a desktop or a cardboard box.

Surfaces are referred to a low energy or high energy.

High Surface Energy

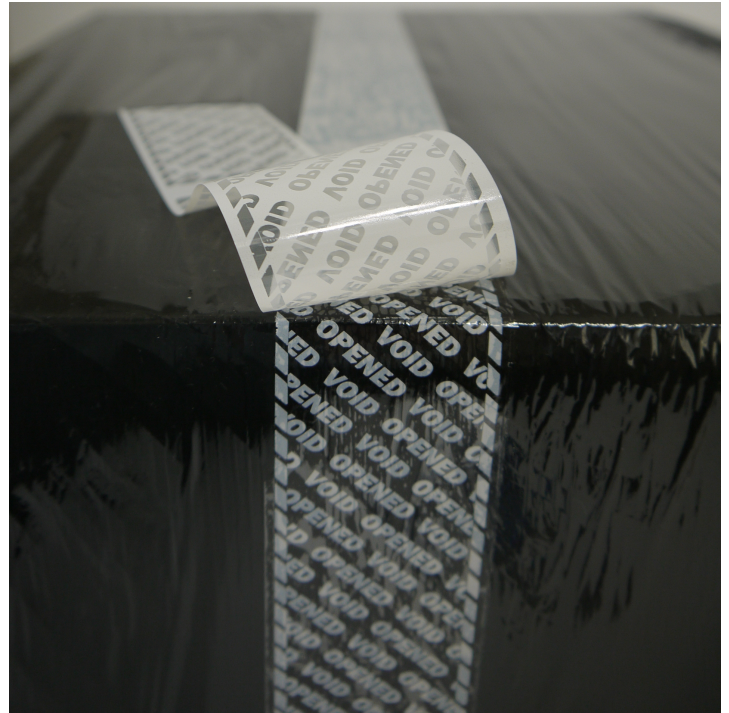These surfaces are hydrophilic which means the surface likes water.

If the water droplet has a low angle from the surface it demonstrates that the surface likes water and is therefore hydrophilic.

A hydrophilic surface has a high energy with the following properties:

- Good Adhesiveness
- Good Wettability

High energy surfaces are typically glass, cabinets and car paint.

Labels and tapes stick well to hydrophilic surfaces

SECURITY TAPES
Pallet, Packaging and Product

Tampertech manufacture a range of security and tamper evident packaging tapes, which can be applied onto cartons, boxes and shrink wrap films.

This packaging security tape is a permanent covert brown packaging tamper evident tape which is used to seal cartons and add an instant, extra level of security to the package.

Tampertech security tapes are used just like normal packaging tape but, leave a clearly visible warning message on the packaging for quick detection of attempted theft or attack by providing a permanent visual message when removed "OPENED VOID".

This is a low cost means of protecting packages through shipping and handling, as well as securing them against pilfering and counterfeiting.

These packaging security tapes also support logistics with added verification and validation of cartons
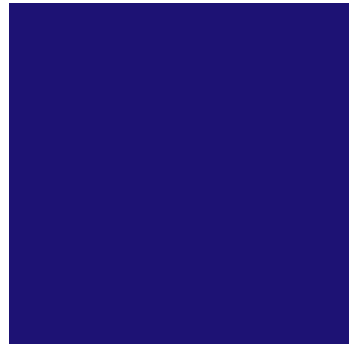
Our Off the Shelf high security tapes are available with:

- perforations or no perforations
- unique sequential numbers
- in Red, Blue, Brown and Clear
- 45mm or 50mm wide
- 50m or 60m long

Tampertech tapes can be customized to suit you:

- color,
- security message
- top print face message
- holograms
- inks
- logos
- size
- roll length

Suitable for use with a standard packaging tape dispenser

Security Labels
Permanent

A permanent security label provides an excellent visual deterrent to theft, protecting the integrity of the contents and securing the item from being tampered with.

The security label provides an extra level to security instantly upon application.

Tamper evident labels are easy to apply to a range of surfaces:

- document envelopes

- fibre cartons

- plastic packaging

- metal

Non Residue

These labels do not leave any residue on the surface when removed, but the label VOIDS and therefore cannot be replaced.

Non-Residue labels can be used on:

- Aircraft doors
- Filing cabinets
- Exit doors
- Catering trolleys
- USB ports
- Camera phones
- ATM cassettes
- Fuel caps
- Sensitive equipment
- Lockers
- Panels

These labels can also be made individual with the additional security features like the permanent labels.
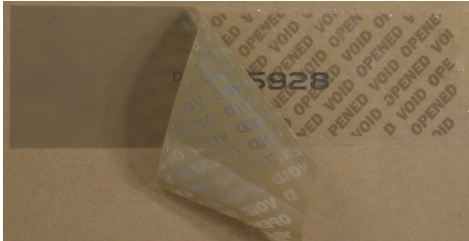
All labels can have receipt tabs for track and trace facility too.

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TAMPERTECH security applications

Non residue and permanent tape and label tamper evident solutions

Packaging

Self-voiding tapes and labels which provide physical evidence of tampering by revealing a hidden message which are used for authentication, theft reduction and protection against counterfeiting – applied to products, packaging and pallets

High Security

Tamper evident labels that are suitable for police, prisons, military authorities and commercial organizations involved in law enforcement to ensure that areas, containers, electronics, vehicles, doors, bags – remain secure after searching

Aircraft

No residue security labels are used to seal aircraft door, catering trolleys and internal compartments. These labels are unique, with individual numbers which can be logged to prevent fraudulent replacement.

Information Technology

With piracy and privacy issues of illicit downloads and virus uploads I.T. can be protected with a physical level of security with no residue labels over USB ports, disc drives, server cabinets, CD and DVD cases for BYOD and workplace devices.

Governments

No residue and permanent security labels are used within Government agencies for diplomatic service documents, pouches, folders, bags and ballot boxes.   These tamper evident labels and tapes show, instantly, unauthorized entry.

Law Enforcement and Forensic

It is vital to ensure the integrity of evidence from crime scene to courtroom. Tamper evident labels for sample bags securing assets and protecting confiscated goods from tampering. Receipt tabs help record keeping and cross-referencing.

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TAMPERTECH security applications

Non residue and permanent tape and label tamper evident solutions

Agriculture

Permanent labels and non residue tapes to seal re-useable containers reducing the risk of contaminants being introduced into the food chain. Applied to flexible surfaces as well as rigid. Helping to comply with ISO17712, CTPAT and OSHA

Retail

Securing packaging from the manufacturer to the distribution centres, staging areas, fulfillment centres, reverse logistics, out to stores and customers reducing shrinkage and protecting products integrity, providing a total end to end solution.

Postal

Delivering a cost-effective solution to all mail security; internal, domestic and cross border. Can be used to include a company logo to increase brand awareness with personalised void messages and corporate colors too.

Pharmaceutical

Packaging is a critical tool to ensure product safety. Using tamper evident labels and seals on packaging, products and pallets enhances product security. Voiding tapes and labels add to authentication, reduces theft and counterfeiting.

Genuine Product

Used to provide an additional level of protection to products and brands through instant visible physical evidence revealing a hidden message. Proving product authenticity for your customers as well as validating warranty for suppliers.

Cold Chain Supply

Permanent tamper evident labels can validate temperature change with irreversible thermo chromic ink changing the color of the label. The non residue labels can be used so packaging is not permanently marked for resale purposes.

THE QUEEN'S AWARDS
FOR ENTERPRISE:
INTERNATIONAL TRADE
2010

THE QUEEN'S AWARDS
FOR ENTERPRISE:
INNOVATION
2015

QAS International

Award winning company
Quality approved products
Global partner

+

Specialist security label and tape manufacturer

Tamper Technologies, is a leading UK printing and manufacturer of security tamper evident labels and tapes, won the prestigious Queen's Award for Enterprise 2010 in the International Trade category and the Queen's Award for Enterprise 2015 for Innovation.

The Queen's Award recognises Tamper Technologies success in developing new export markets and innovation and technology in tamper evident tapes and labels.

TamperTech's range of security tapes and tamper evident labels add to the security of cartons, crates, polythene bags, packaging and boxes worldwide.

Our success as a manufacturer of tamper evident solutions ensures we provide customers with both standard and customer specific solutions depending upon their requirements. We provide a fast turnaround and quality products.

Tamper Technologies has been awarded ISO 9001:2008 certification for its Quality Management System, demonstrating its uncompromising commitment to providing the highest quality products and service to its customers.

For more information please visit www.tampertech.net or call +44 (0) 1335 300335