



# Cocoon

IMBALLAGGI INDUSTRIALI

Cocoon has been involved in the packaging sector since 1948, producing special custom made materials designed to guard against corrosion and ensure the protection of cargo during handling.

Thanks to the experience gained from many years in the industry, and to the quality achieved in all product lines, we are able to solve any packaging problem for companies in whatever sector of activity.

→ **FIND OUT ABOUT OUR SOLUTIONS**



# WHAT IS IT THAT YOU NEED?

*Click on what you are looking for*



*“I want to protect my cargo  
from atmospheric agents  
(oxidation - corrosion)”*

→ **FIND OUT MORE**



*“I want to protect my  
cargo during handling  
operations”*

→ **FIND OUT MORE**



*“I want to use  
ECO packaging  
for my cargo”*

→ **FIND OUT MORE**



# “I WANT TO PROTECT MY CARGO FROM ATMOSPHERIC AGENTS (OXIDATION - CORROSION)”

— SELECT THE METHOD MOST SUITABLE FOR YOU





# SHIPMENTS BY SEA

We produce materials designed specifically for packaging goods shipped by sea. With sea-going cargo, the requirement is for packaging products capable of protecting goods from oxidation, water and water vapour, also from the action of salt air, heat, cold, solar radiation and electrolytic corrosion, and in some cases from living micro-organisms. Whatever the situation, our products offer a 100% guarantee of maintaining the integrity and safety of goods.

→ **BARRIER MATERIAL**

→ **DESICCANTS**

→ **HEAT SEALERS**

→ **EOLO**

→ **INDICATORS**

→ **COVER 400**

→ **CARGO NETTING**

→ **COEXTRUDED MATERIALS**

→ **WAX COATED BARRIER WRAP**

→ **DATA LOGGERS**

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PREV. PROD.



NEXT PROD.

## — BARRIER MATERIAL

Barrier material protects merchandise against atmospheric agents. It is impermeable, and resistant to moisture, light and UV rays.

The barrier layer is bonded to a backing material of plastic film, paper, woven fabric, PE, PP or nylon, with or without aluminium foil.

Used in combination with desiccants, barrier material packaging is also heat sealed, so as to prevent any kind of damage caused by oxidation during shipment by sea and air or over land, and when long term storage is envisaged in cold or tropical countries. Supplied in rolls, single-ply film and tube, also as bags or covers custom-made in any shape or size, to MIL-PRF 131 specification.



*Back to “I want to protect my cargo from atmospheric agents”*

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**PREV. PROD.**



**NEXT PROD.**

## — DESICCANTS

Desiccants are indispensable during transport or storage, when there is a need to ensure that moisture inside the packaging will be absorbed.

Raw materials used in the production of desiccants are clay, white or brown silica gel, and molecular sieves. They are prepared generally in bags of non-woven fabric, Tyvek or plastic free material and placed inside the packaging, so as to absorb excess moisture.

Main sectors of use:

- Silica gel – electrical, pharma, food, chemical, clothing, automotive
- Desiccant capsules (Dydrators) – pharma, automotive
- Clay desiccant – industrial, mechanical, packaging
- Molecular sieve – chemical, industrial
- Container dry (Codrygel) – containers, packaging



**Back to “I want to protect my cargo from atmospheric agents”**

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PREV. PROD.



NEXT PROD.

## — HEAT SEALERS

Heat-sealers are an essential item of equipment for those who need a precision, professional packaging solution for their products.

They are the machines most widely used for sealing pouches, bags and plastic films.

The main types of heat sealer for packaging use are portable, table-top and vacuum chamber, selected according to the type of product being packaged and the size of the pack.

Types of heat-sealer:

- For barrier materials – Folgore - Hawo WSZ - Pack rite
- For polyethylene – Hawo ISZ
- For barrier materials and polyethylene – vacuum chamber heat sealer.



*Back to “I want to protect my cargo from atmospheric agents”*

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## — EOLO

This is a vacuum tool for removing air from covers or bags made of barrier material.

The dimensions of the Eleo guarantee that it will be light, easy to handle and compact.



*Back to “I want to protect my cargo from atmospheric agents”*

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PREV. PROD.



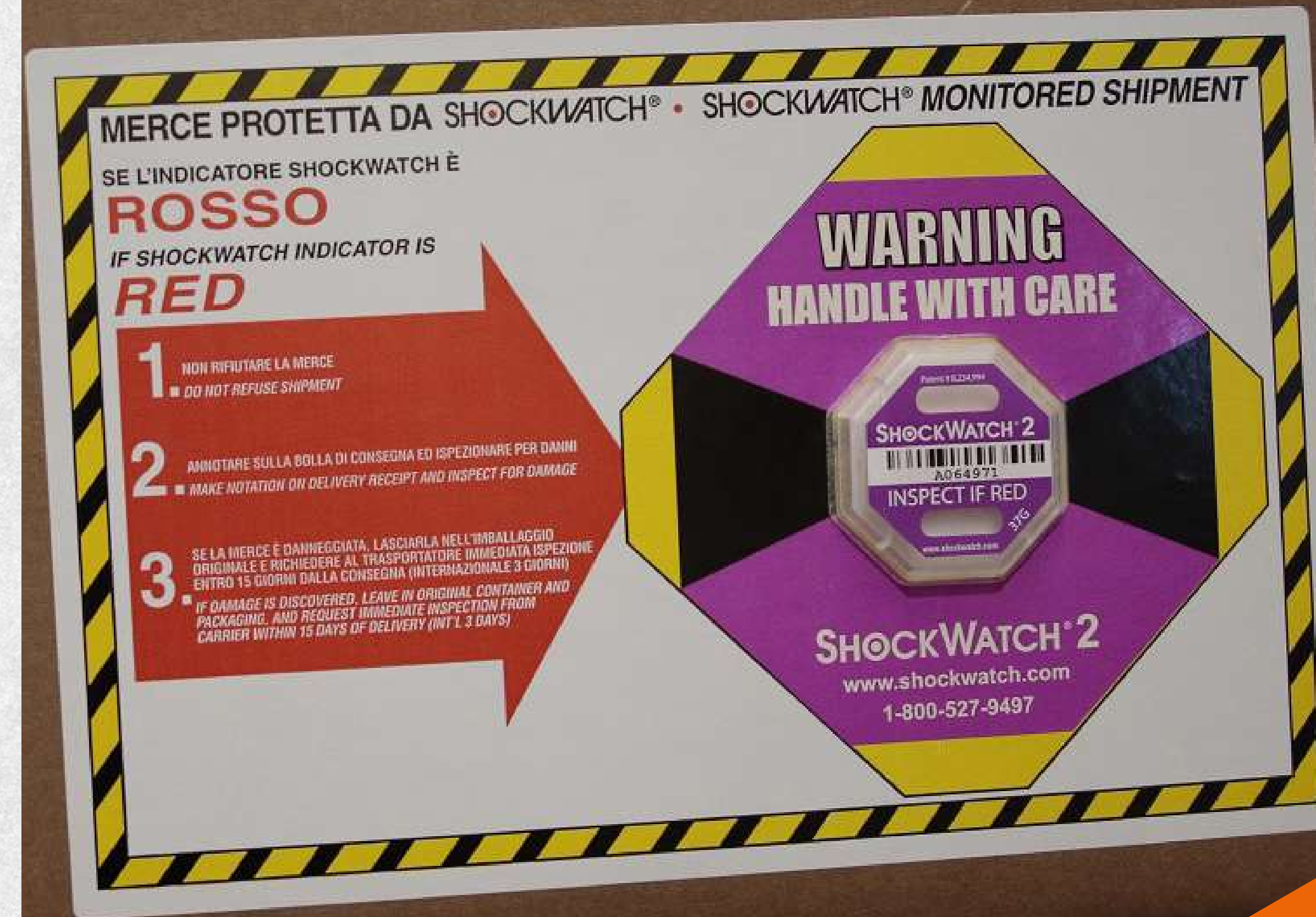
NEXT PROD.

## — INDICATORS

To check that shipments are managed appropriately and ensure their safe transportation, there are indicators that can be used, available in a variety of models.

The single indicators differ, depending on the specific need that needs to be addressed:

- Humidity
- Impact
- Tilt



Back to “I want to protect my cargo from atmospheric agents”

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*PREV. PROD.*



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## — COVER 400

This is a coextruded polyethylene film of appreciable thickness (400 microns).  
Its properties are these:

- excellent strength;
- anti-abrasion;
- impermeability;
- guaranteed safety;
- ease of use;
- protection against humidity and any other atmospheric agent.

Ideal for covering or lining crates/cages during transport and storage.

*Back to “I want to protect my cargo from atmospheric agents”*



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## — CARGO NETTING

Netting ideal for palletized goods packaged using cover sheets of whatever material, heat-shrink polyethylene and/or barrier: the perfect solution for packaged and palletized load units of considerable bulk. Cocoon polyethylene netting is manufactured from high strength synthetic fibres.

Water-repellent, resistant to oils, greases and UV rays, these netting products are soft and manageable; featuring ease of application and use, and adaptable to parts of irregular outline, guaranteeing safe transport. They are used to retain cargo in place during transportation.

Ideal for preventing damage to outer coverings of heat-shrink film and barrier material.

Cocoon netting solutions are perfect for use with non-standard load units of whatever shape and size, since they are both tough and easily adaptable.



**Back to “I want to protect my cargo from atmospheric agents”**

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## — DATA LOGGERS

These devices carry the CE mark, and are very easy to use. They allow the tracking of temperature, impact events and humidity during shipments, ensuring the ideal ambient conditions for the goods are maintained throughout.

If conditions drift outside the correct parameters, the data logger can measure the duration of the occurrence.

Various types of product are available, some reusable, with cloud-based data transmission, others disposable:

- Temperature: CRT-12 - not programmable, disposable
- Temperature: CRT-12U - programmable, disposable
- Impact, temperature and humidity: ASPION, SHOCKLOG - reusable, with cloud-based data transmission



Back to “I want to protect my cargo from atmospheric agents”

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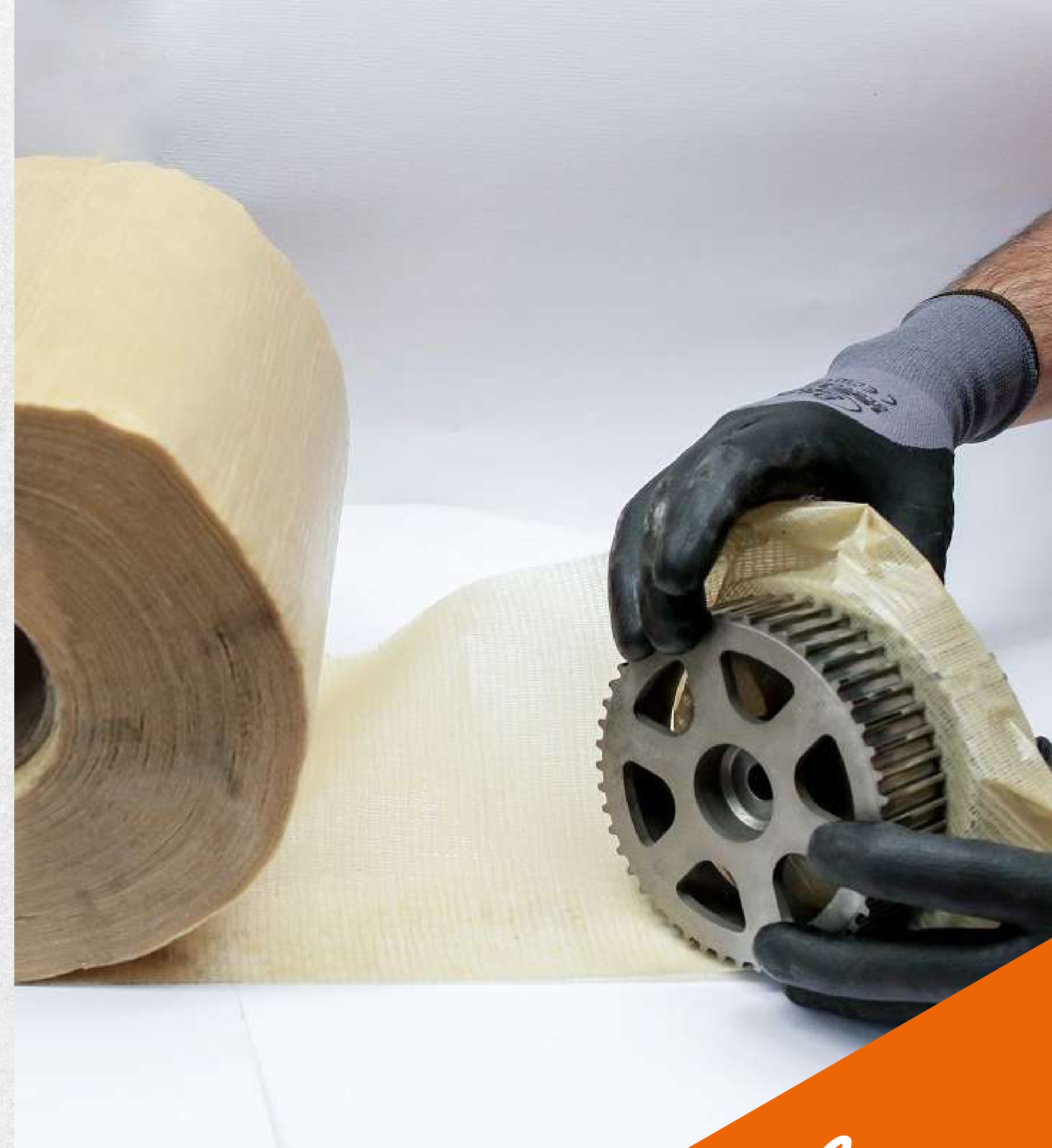
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## — **WAX COATED BARRIER WRAP**

This material consists of a cotton fabric impregnated with microcrystalline wax and bonded with metallized polypropylene film.

Thanks to its shapeability and self-sealing properties, it is used to protect items from impact and oxidation.

Wax coated barrier wrap is supplied in rolls of 1 m or 250 mm width.

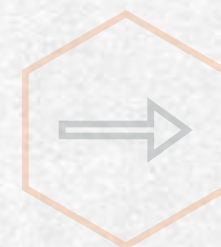


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**PREV. PROD.**



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## — COEXTRUDED MATERIALS

These are engineering grade, multilayer coextruded PE film products.

Their notable strength makes them suitable for protecting cargo during shipment and/or storage. In addition to their performance capabilities, they offer the significant advantage of easy handling. This is due in turn to the softness of the coextruded material, which can be positioned easily, accurately and swiftly without risk of being hurt or injured. All of this means that the desired end result is 100% achievable: protection of cargo, with absolute ease of application.

- Heat-shrink coextruded film, 210 microns
- Cargo netting



**Back to “I want to protect my cargo from atmospheric agents”**

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# SHIPMENTS BY AIR

We produce materials designed specifically for packaging goods shipped by air.

With shipments of this kind, there is a need for packaging products capable of protecting goods from pressure variations when in flight, and from impact during loading and unloading operations.

→ **BARRIER MATERIAL**

→ **HEAT SEALERS**

→ **DATA LOGGERS**

→ **PRESSURE COMPENSATING VALVES**

→ **WAX COATED BARRIER WRAP**

→ **DESICCANTS**

→ **COEXTRUDED MATERIALS**

→ **THERMAL BLANKETS**

→ **INDICATORS**

→ **EOLO**

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PREV. PROD.



NEXT PROD.

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The barrier layer is bonded to a backing material of plastic film, paper, woven fabric, PE, PP or nylon, with or without aluminium foil.

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Raw materials used in the production of desiccants are clay, white or brown silica gel, and molecular sieves. They are prepared generally in bags of non-woven fabric, Tyvek or plastic free material and placed inside the packaging, so as to absorb excess moisture.

Main sectors of use:

- Silica gel – electrical, pharma, food, chemical, clothing, automotive
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This is a vacuum tool for removing air from covers or bags made of barrier material.

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## — DATA LOGGER

I data logger sono dispositivi certificati CE facilissimi da usare. Permettono di tracciare temperatura, urti e umidità durante le spedizioni, verificando il mantenimento durante il trasporto della merce e delle condizioni ambientali ideali.

Inoltre consentono di ricavare l'eventuale tempo di permanenza della condizione al di fuori dei parametri corretti.

Sono disponibili in diverse tipologie di prodotto, riutilizzabile con trasmissione dei dati tramite cloud o monouso:

- Temperatura CRT-12 - non programmabile monouso
- Temperatura CRT-12U – programmabile monouso
- Urti, temperatura e umidità ASPION, SHOCKLOG riutilizzabile con trasmissione dei dati tramite cloud



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## — THERMAL BLANKETS

These provide a quick and practical method of drastically reducing thermal shocks during transport. Thermal blankets comprise a layer of plastic bubble wrap bonded to aluminium film, the air bubbles serving to minimize heat exchange and the aluminium film reflecting solar radiation. They are made up as hoods and as covers for containers.

The following thermal blankets are available:

- Piranha Thermo Kit for containers
- Arpack Metallized thermal hoods, made to custom sizes
- Termoboll Plus bubble wrap hoods



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# — PRESSURE COMPENSATING VALVES

These low pressure/high flow valves automatically adjust the pressure inside a container in response to ambient pressure variations on the outside. This avoids the creation of excessive differences in pressure during transport.



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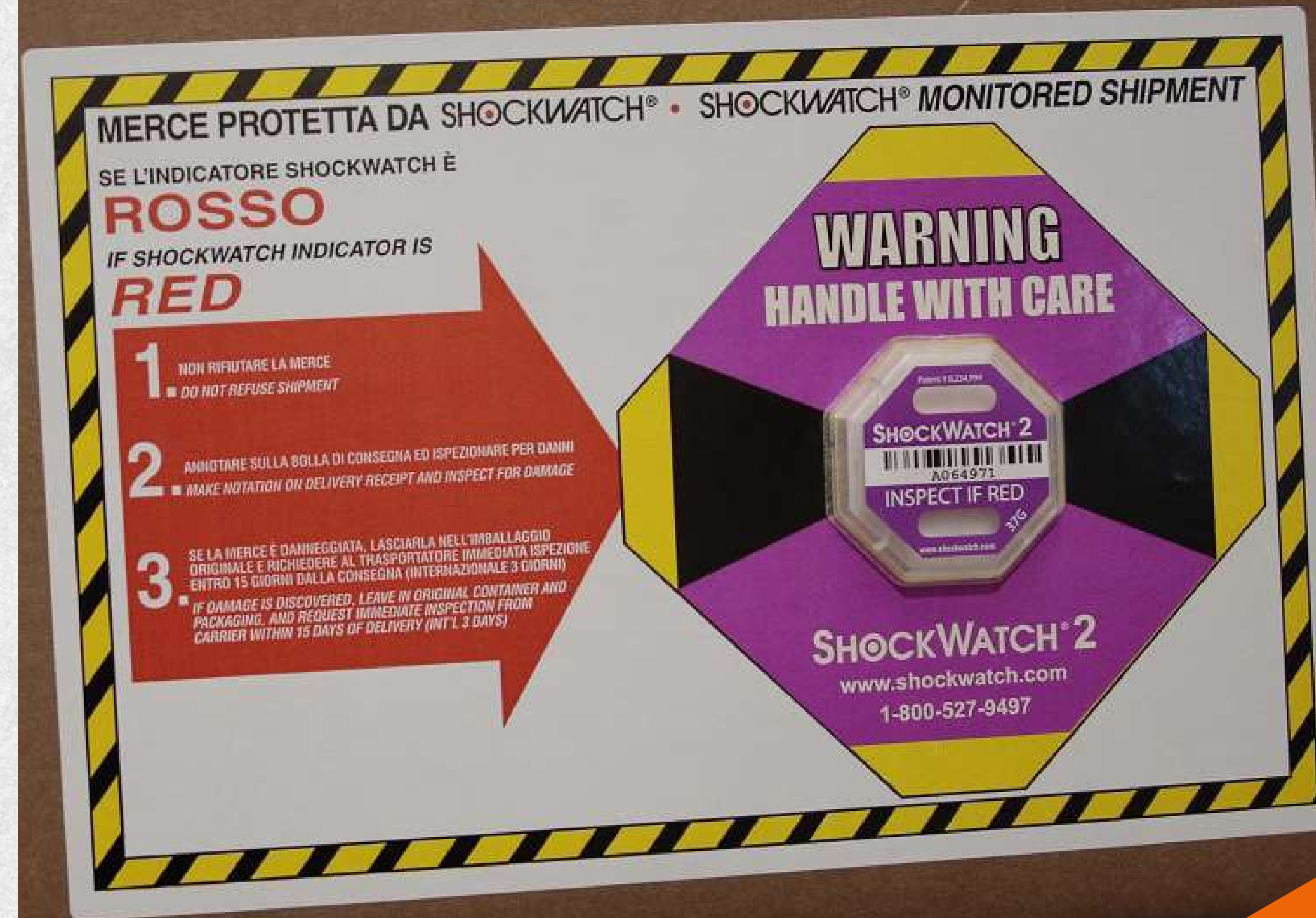
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## — INDICATORS

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The single indicators differ, depending on the specific need that needs to be addressed:

- Humidity
- Impact
- Tilt



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## — CARGO NETTING

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Water-repellent, resistant to oils, greases and UV rays, these netting products are soft and manageable; featuring ease of application and use, and adaptable to parts of irregular outline, guaranteeing safe transport. They are used to retain cargo in place during transportation.

Ideal for preventing damage to outer coverings of heat-shrink film and barrier material.

Cocoon netting solutions are perfect for use with non-standard load units of whatever shape and size, since they are both tough and easily adaptable.

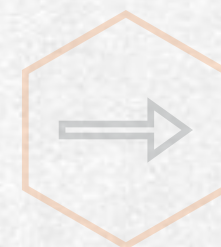


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## — COEXTRUDED MATERIALS

These are engineering grade, multilayer coextruded PE film products.

Their notable strength makes them suitable for protecting cargo during shipment and/or storage. In addition to their performance capabilities, they offer the significant advantage of easy handling. This is due in turn to the softness of the coextruded material, which can be positioned easily, accurately and swiftly without risk of being hurt or injured. All of this means that the desired end result is 100% achievable: protection of cargo, with absolute ease of application.

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- Cargo netting



*Back to “I want to protect my cargo from atmospheric agents”*

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# SHIPMENTS OVER LAND

We produce materials designed specifically for packaging goods shipped over land. With shipments of this kind, there is a need for packaging products capable of protecting goods from oxidation, and from all other adverse conditions that can arise during transport.

→ **BARRIER MATERIAL**

→ **DESICCANTS**

→ **HEAT SEALERS**

→ **DATA LOGGERS**

→ **COVER 400**

→ **INDICATORS**

→ **V.C.I.**

→ **COEXTRUDED MATERIALS**

→ **PROPANE SHRINK WRAP GUN**

→ **'CARTENE' HDPE WRAP**

→ **CARGO NETTING**

→ **EOLO**



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*Back to “I want to protect my cargo from atmospheric agents”*

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## — EOLO

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The dimensions of the Eleo guarantee that it will be light, easy to handle and compact.



*Back to “I want to protect my cargo from atmospheric agents”*

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## — COVER 400

This is a coextruded polyethylene film of appreciable thickness (400 microns).  
Its properties are these:

- excellent strength;
- anti-abrasion;
- impermeability;
- guaranteed safety;
- ease of use;
- protection against humidity and any other atmospheric agent.

Ideal for covering or lining crates/cages during transport and storage.

*Back to “I want to protect my cargo from atmospheric agents”*



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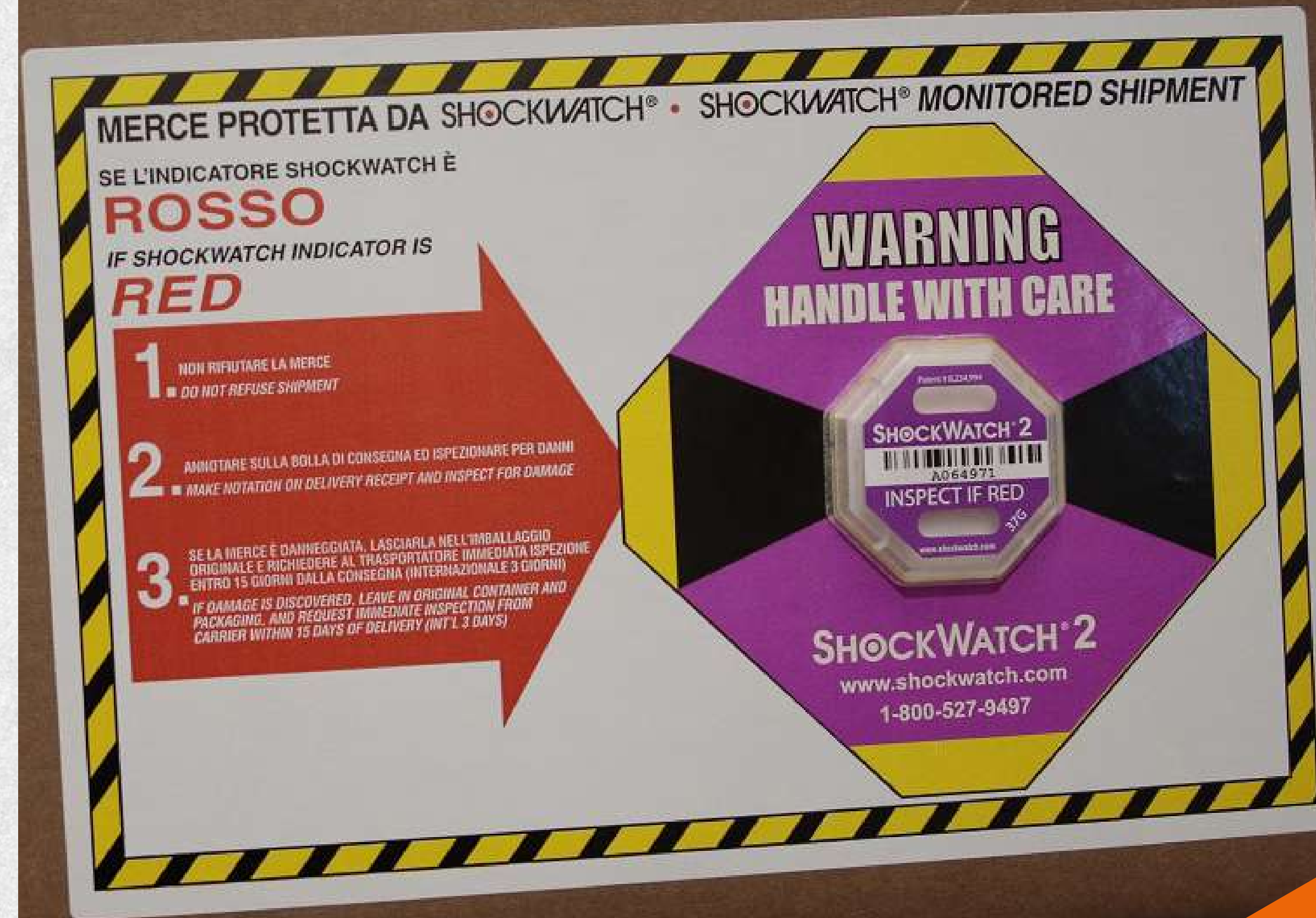
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## — V.C.I.

VCI — Volatile Corrosion Inhibitor — is a substance that evaporates slowly when applied to a substrate and attacks oxygen, thereby neutralizing the process of oxidation and preventing the formation of rust.

The substrate can be:

- Polyethylene
- Paper
- Foam
- Capsules
- Tablets

**Back to “I want to protect my cargo from atmospheric agents”**



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## — COEXTRUDED MATERIALS

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- Heat-shrink coextruded film, 210 microns
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# — PROPANE SHRINK WRAP GUN

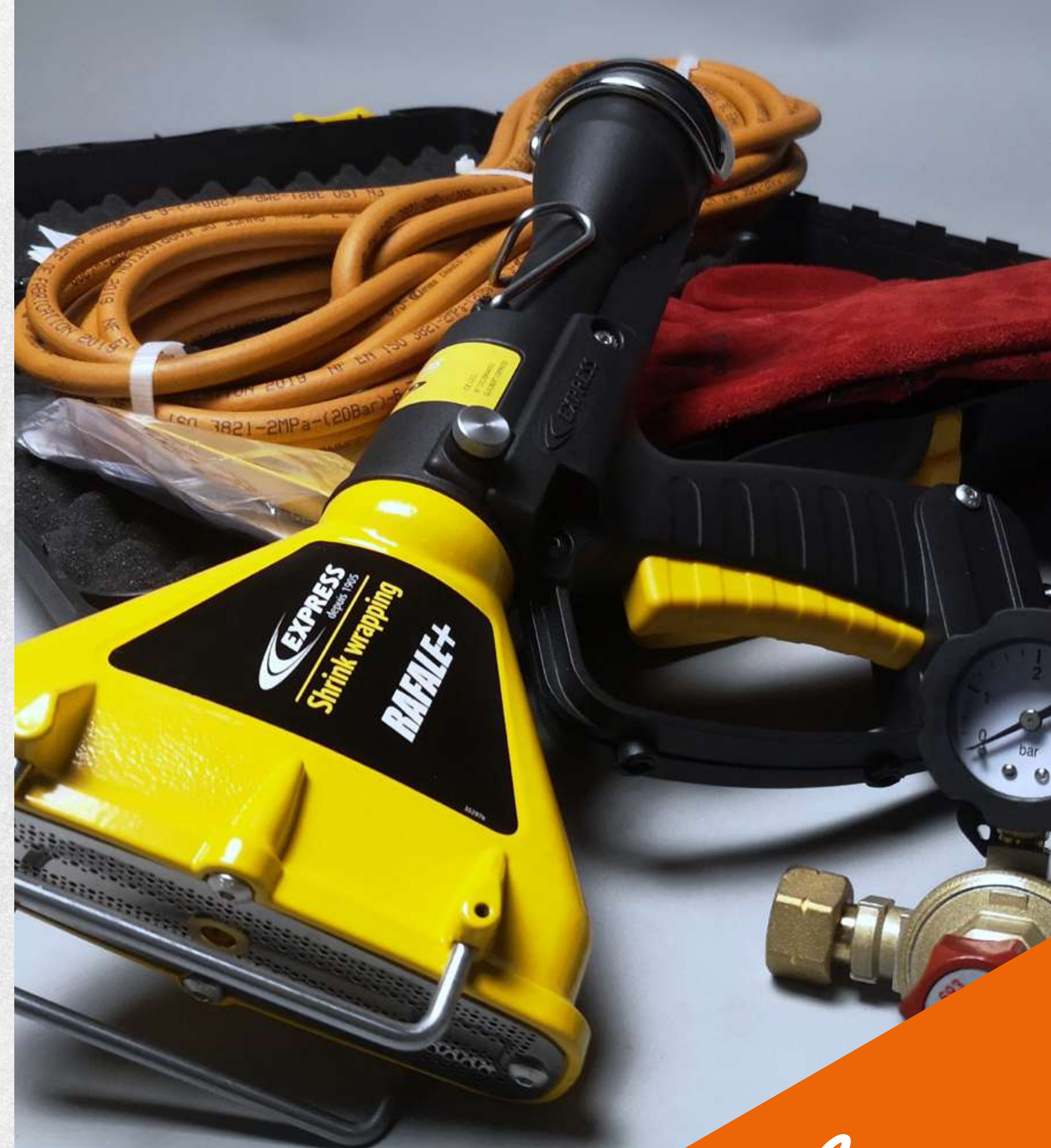
This is a lightweight, safe and practical tool. The ideal solution for heat-shrinking plastic films such as transparent polyethylene and coextruded materials.

Thanks to its variable power output, moreover, it is adaptable for use with all types and thicknesses of plastic material.

With this combination of features, the gun is both simple and satisfying to use.

Both the models available are supplied with carry case.

- Raptor
- Rafale



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## — ‘CARTENE’ HDPE WRAP

High Density Polyethylene (also widely known under the brand name Cartene-HD) is not only stronger than a normal polyethylene, but also harder and more opaque, and able to withstand higher temperatures (120 °C for short periods, 110 °C continuously). HDPE is also resistant to many solvents, and consequently among the leading materials of choice in the chemical industry.

It is also used extensively for insulation purposes. Handling high density PE at ambient temperature involves no risk whatever.



**Back to “I want to protect my cargo from atmospheric agents”**

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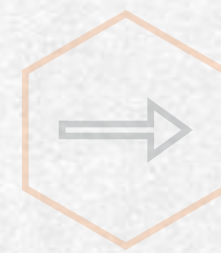


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# LONG TERM STORAGE

The Barrier Material solution comprises the products listed below. To achieve best possible results, all of them must be used. (Products can however also be purchased individually).

→ **BARRIER MATERIAL**

→ **HEAT SEALERS**

→ **COVER 400**

→ **WAX COATED BARRIER WRAP**

→ **ANTISTATIC MATERIALS**

→ **PROPANE SHRINK WRAP GUN**

→ **DESICCANTS**

→ **EOLO**

→ **INDICATORS**

→ **COEXTRUDED MATERIALS**

→ **'CARTENE' HDPE WRAP**

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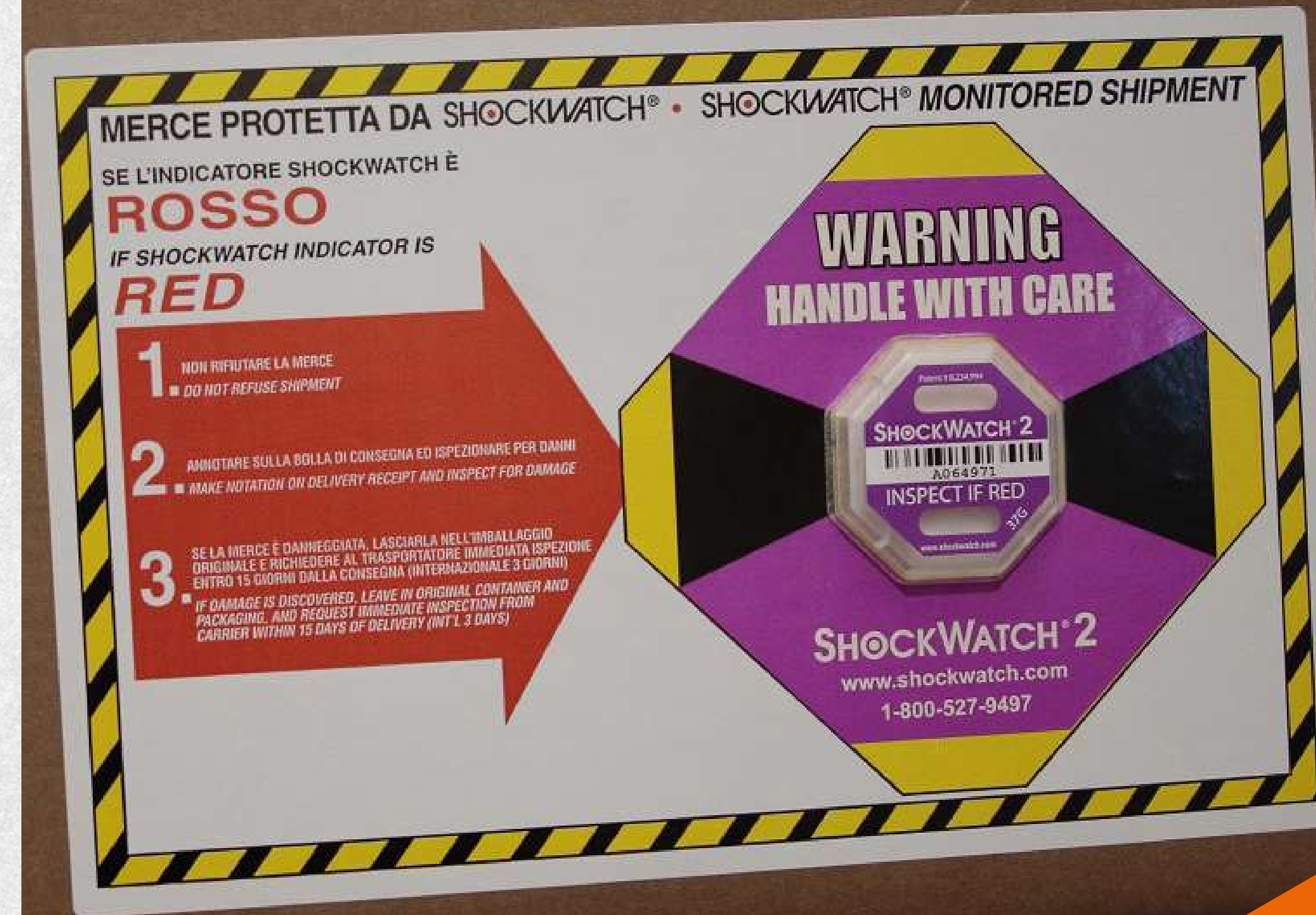
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Wax coated barrier wrap is supplied in rolls of 1 m or 250 mm width.



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## — COEXTRUDED MATERIALS

These are engineering grade, multilayer coextruded PE film products.

Their notable strength makes them suitable for protecting cargo during shipment and/or storage. In addition to their performance capabilities, they offer the significant advantage of easy handling. This is due in turn to the softness of the coextruded material, which can be positioned easily, accurately and swiftly without risk of being hurt or injured. All of this means that the desired end result is 100% achievable: protection of cargo, with absolute ease of application.

- Heat-shrink coextruded film, 210 microns
- Cargo netting



*Back to “I want to protect my cargo from atmospheric agents”*

*Cocoon*



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NEXT PROD.

## — ANTISTATIC MATERIALS

The properties of these plastic films make them indispensable for packaging products that need to be protected specifically from electrostatic and electromagnetic charges.

They are particularly suitable for electronic components, as well as in other sectors where this type of protection is required.

Available types:

- Conductive
- Antistatic



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## — ‘CARTENE’ HDPE WRAP

High Density Polyethylene (also widely known under the brand name Cartene-HD) is not only stronger than a normal polyethylene, but also harder and more opaque, and able to withstand higher temperatures (120 °C for short periods, 110 °C continuously). HDPE is also resistant to many solvents, and consequently among the leading materials of choice in the chemical industry.

It is also used extensively for insulation purposes. Handling high density PE at ambient temperature involves no risk whatever.



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# — PROPANE SHRINK WRAP GUN

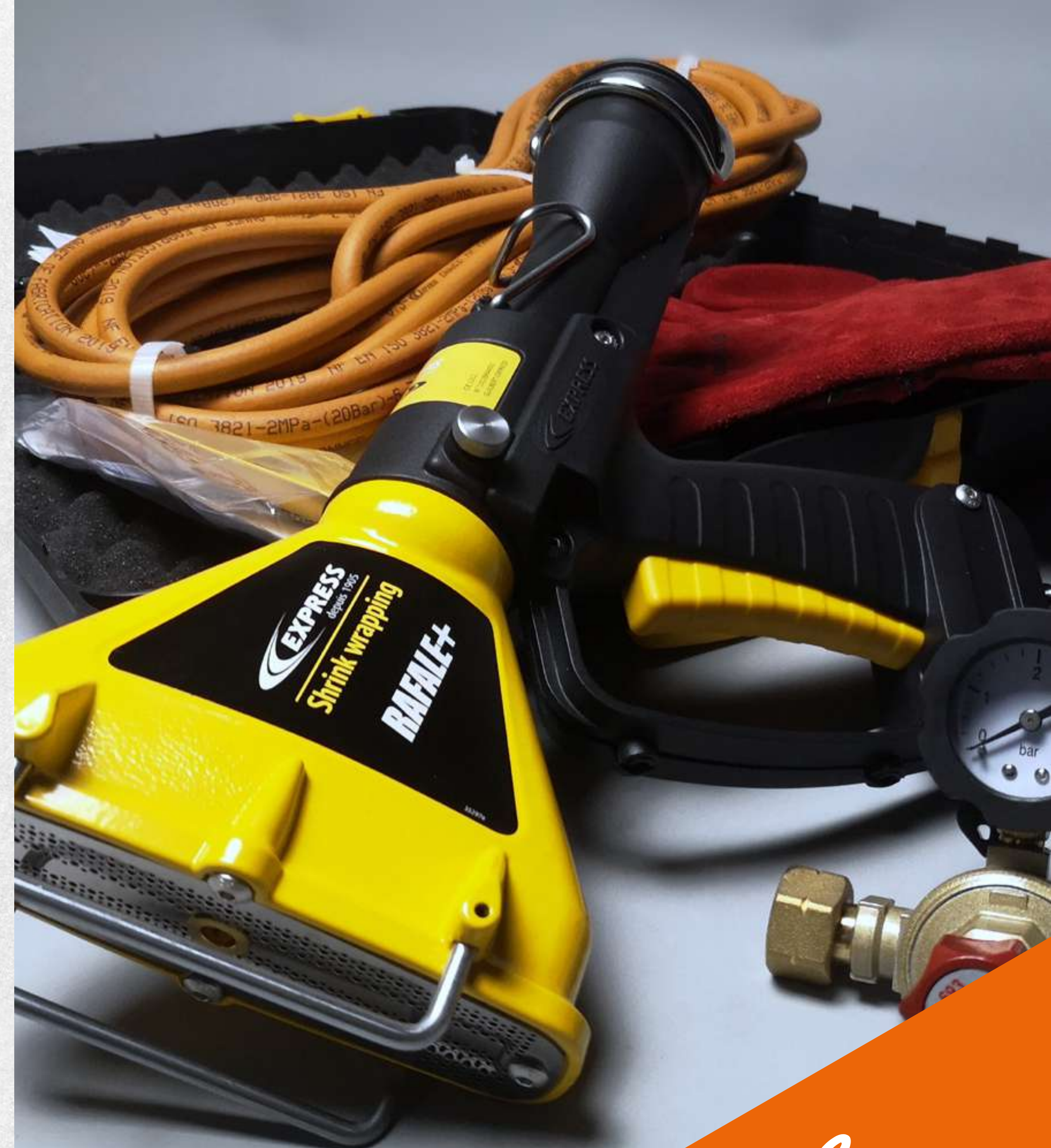
This is a lightweight, safe and practical tool. The ideal solution for heat-shrinking plastic films such as transparent polyethylene and coextruded materials.

Thanks to its variable power output, moreover, it is adaptable for use with all types and thicknesses of plastic material.

With this combination of features, the gun is both simple and satisfying to use.

Both the models available are supplied with carry case.

- Raptor
- Rafale

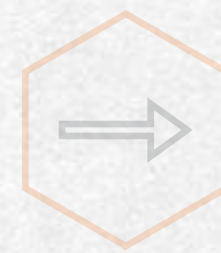


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## — V.C.I.

VCI — Volatile Corrosion Inhibitor — is a substance that evaporates slowly when applied to a substrate and attacks oxygen, thereby neutralizing the process of oxidation and preventing the formation of rust.

The substrate can be:

- Polyethylene
- Paper
- Foam
- Capsules
- Tablets

Supplied in rolls, also as bags or covers made to custom sizes.



**Back to “I want to protect my cargo from atmospheric agents”**

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# “I WANT TO PROTECT MY CARGO DURING HANDLING OPERATIONS”

— SELECT THE METHOD MOST SUITABLE FOR YOU





# IMPACT

— *Choose the solution you prefer.*

We know how important it is for companies to guarantee the integrity of their merchandise during transport, and with this in mind we supply packaging products of top quality. To achieve this, we use the best technologies available across the entire industrial spectrum.

→ **INDICATORS**

→ **AGGLOMERATE**

→ **POLILAM EXPANDED POLYETHYLENE**

→ **DATA LOGGERS**

→ **PAPER PACKAGING SYSTEM**

→ **ARPACK**

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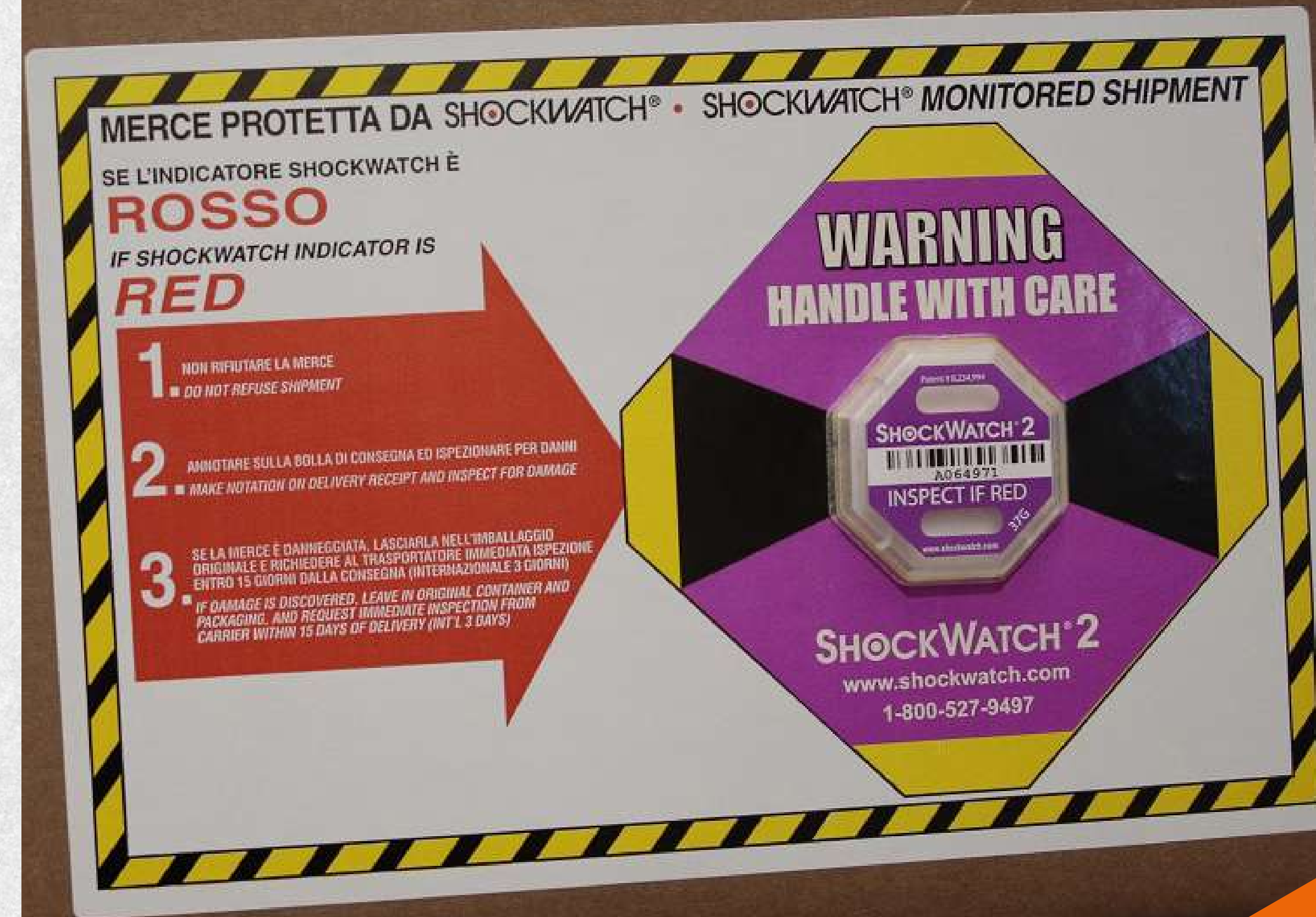
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## — INDICATORS

To check that shipments are managed appropriately and ensure their safe transportation, there are indicators that can be used, available in a variety of models.

The single indicators differ, depending on the specific need that needs to be addressed:

- Humidity
- Impact
- Tilt



Back to “I want to protect my cargo during handling operations”

Cocoon



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*NEXT PROD.*

## — EXPANDED AGGLOMERATE

Expanded agglomerate is made using waste from the manufacture of flexible expanded polyurethane. Waste fragments are ground into flakes and recompact, obtaining a new and different kind of expanded polyurethane material.

An open cell structure, combined with relatively high densities, makes this a material ideal for protective packaging applications where higher than usual densities are required.

- Slabs
- Blocks for particular applications



*Back to “I want to protect my cargo during handling operations”*

*Cocoon*



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## **POLILAM EXPANDED POLYETHYLENE**

This material is highly absorbent and impact resistant, which means it will not break and is able to recover its initial shape.

It also possesses optimum resistance to deformation under load.

These properties make Polilam ideal as a separating, retaining and padding material. In addition, it is notably waterproof and moisture resistant.

- Slabs
- Preshaped
- Profiles



*Back to “I want to protect my cargo during handling operations”*

*Cocoon*



PREV. PROD.



NEXT PROD.

# RANPAK

## Paper packaging system

This is a solution for packaging goods more intelligently and sustainably.

The particular combination of components can be used to:

- lock items securely in position
- protect the product from surface-induced abrasion and minor handling mishaps
- cover and pad individual items
- significantly attenuate the force of external impact

In short, a packaging system that is both good for business and good for the planet.



Back to “I want to protect my cargo during handling operations”

Cocoon



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NEXT PROD.

## — DATA LOGGERS

These devices carry the CE mark, and are very easy to use. They allow the tracking of temperature, impact events and humidity during shipments, ensuring the ideal ambient conditions for the goods are maintained throughout.

If conditions drift outside the correct parameters, the data logger can measure the duration of the occurrence.

Various types of product are available, some reusable, with cloud-based data transmission, others disposable:

- Temperature: CRT-12 - not programmable, disposable
- Temperature: CRT-12U - programmable, disposable
- Impact, temperature and humidity: ASPION, SHOCKLOG - reusable, with cloud-based data transmission

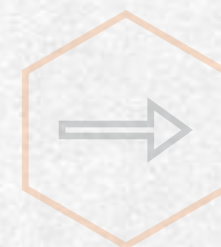


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## — **ARPACK**

A polyethylene bubble wrap film ideal for protecting goods from impact, vibration and dust.

Bubble wrap is one of the most reliable and economic packaging materials used to protect goods during shipment, and for storing fragile and delicate products.

Availability: bags and covers made in custom sizes.

Single layer - 70 or 90 g/m<sup>2</sup>.

Double layer - 115 g/m<sup>2</sup>

- Antistatic



**Back to “I want to protect my cargo during handling operations”**

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# SECURING THE LOAD

— *Choose the solution you prefer.*

It is fundamentally important that loads are made secure. Care taken over these operations will drastically reduce the risk of damage occurring. We are well aware of this, and so we employ the best technologies in the sector to provide products guaranteed to deliver exceptional results.

—→ **DUNNAGE BAGS**

—→ **STRAPS**

—→ **MATS**



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PREV. PROD.



NEXT PROD.

## — DUNNAGE BAGS

Load-stabilizing Inflatable dunnage bags made by Cocoon provide a safe, reliable and effective system of protection.

They disallow any possible movement of the goods during transport, thereby preventing the risk of damage.

What is more, these are reusable products, which means they also bring a saving in costs.

- Rafia
- Paper
- Inflation devices



Back to “I want to protect my cargo during handling operations”

Cocoon



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## — STRAPS

Straps provide an anchorage system that guarantees the stability of the load during transport and storage.

They are designed to eliminate any possible risk of damage caused by movement of the goods. Straps are manufactured from polyester threads and can be:

- Fabric
- Composite

Special buckles are used to guarantee the right tension, and there is a range of accessories to ensure ease of use.

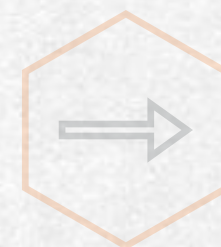


**Back to “I want to protect my cargo during handling operations”**

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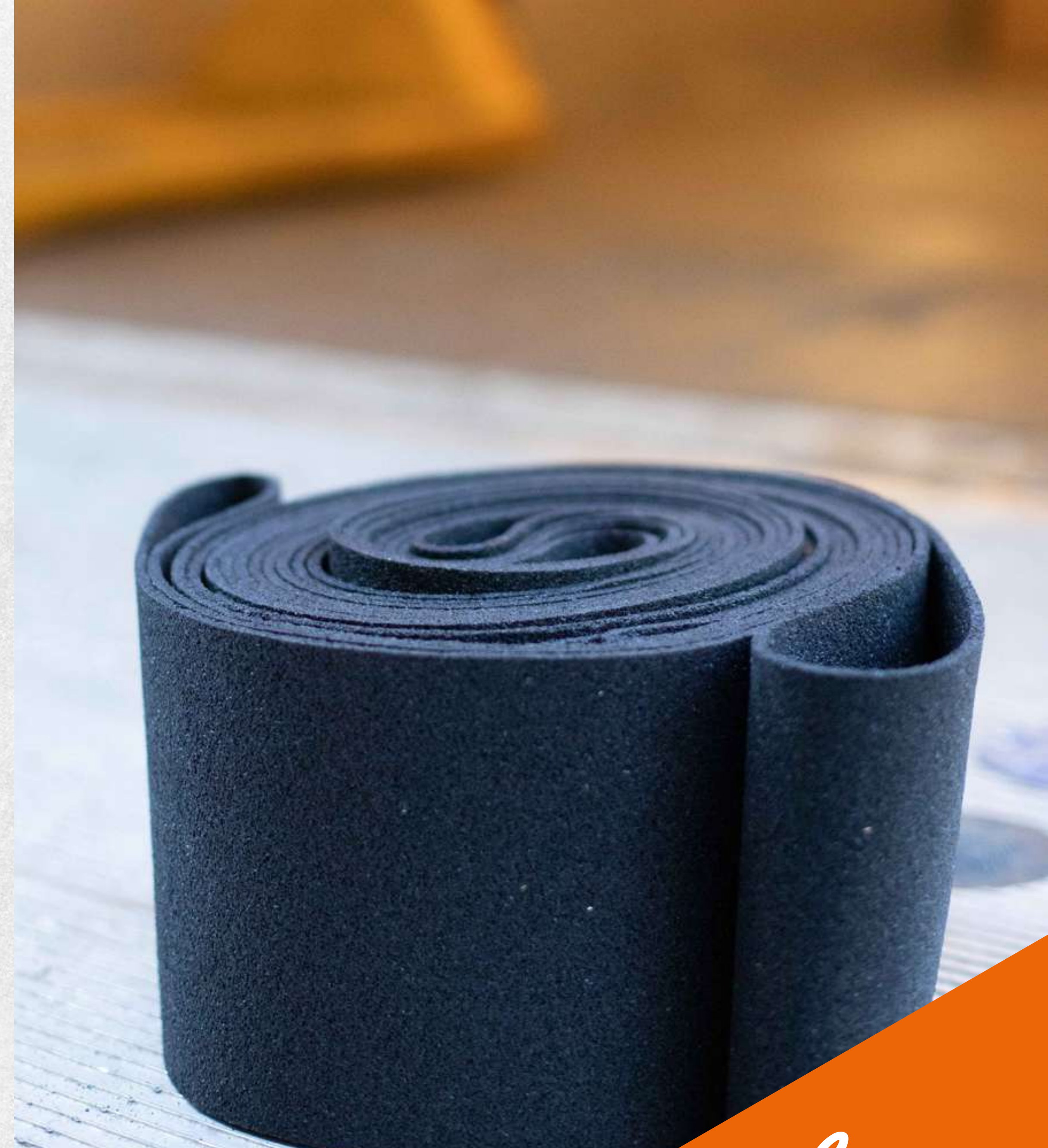
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## — MATS

The composition of these materials makes them non-slip. This is a property that ensures the cargo cannot slip and slide during shipment. Another situation where mats are recommended is on the timber cradles use to support silos and wooden reels. Likewise in this instance, any possible slipping and sliding movement is prevented.



*Back to “I want to protect my cargo during handling operations”*

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# THERMAL SHOCK

— *Choose the solution you prefer.*

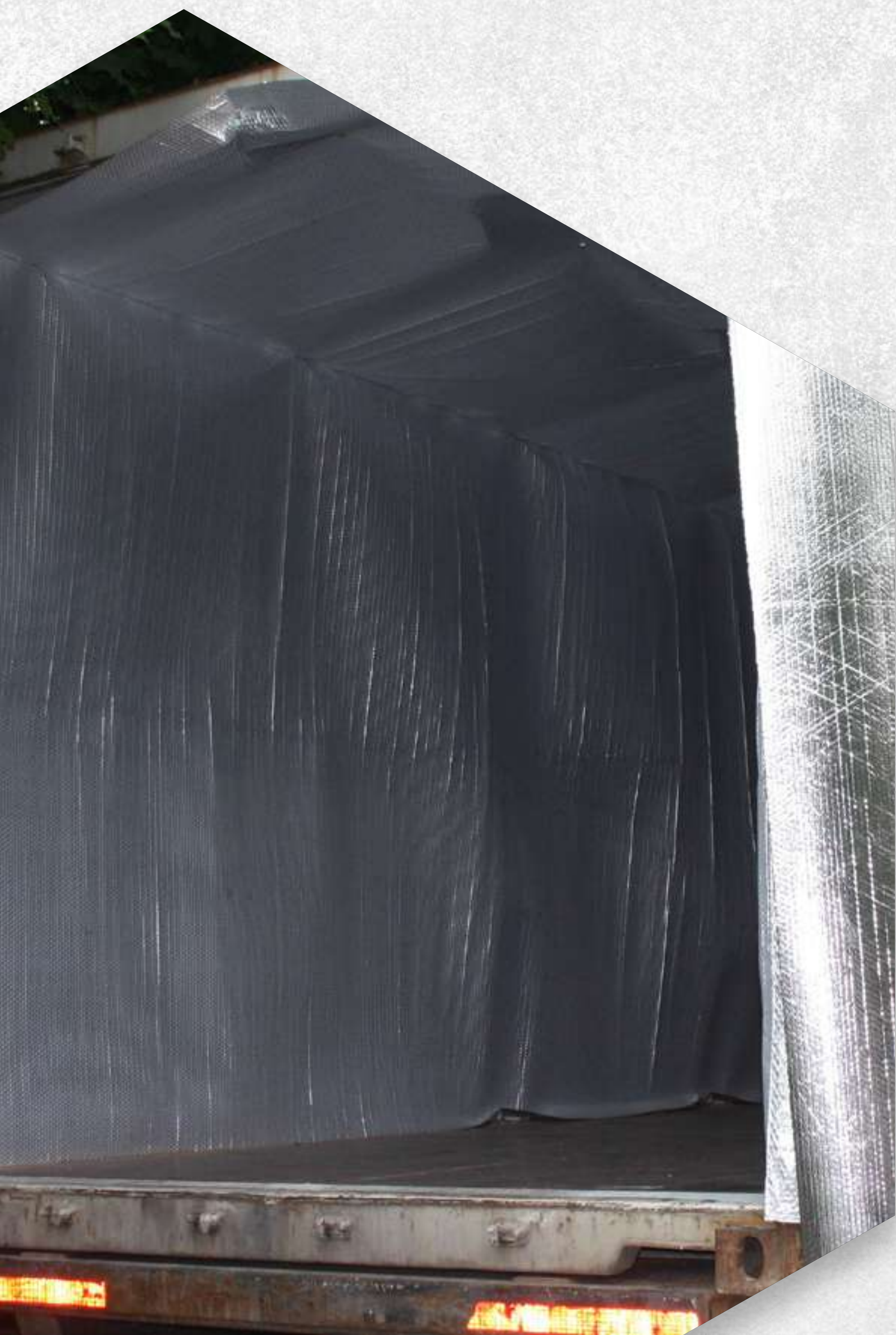
Thermal shocks can cause serious damage to cargo during transport.

Accordingly, it is important to make use of products that will prevent damage from occurring, and moreover, essential to utilize products that can keep track of the cargo temperature throughout the journey.

→ **THERMAL BLANKETS**

→ **DATA LOGGERS**

→ **INDICATORS**



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NEXT PROD.

## — THERMAL BLANKETS

These provide a quick and practical method of drastically reducing thermal shocks during transport. Thermal blankets comprise a layer of plastic bubble wrap bonded to aluminium film, the air bubbles serving to minimize heat exchange and the aluminium film reflecting solar radiation. They are made up as hoods and as covers for containers.

The following thermal blankets are available:

- Piranha Thermo Kit for containers
- Arpack Metallized thermal hoods, made to custom sizes
- Termoboll Plus bubble wrap hoods



Back to “I want to protect my cargo during handling operations”

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NEXT PROD.

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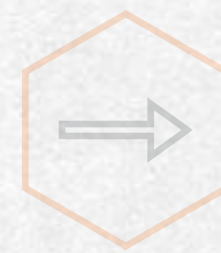


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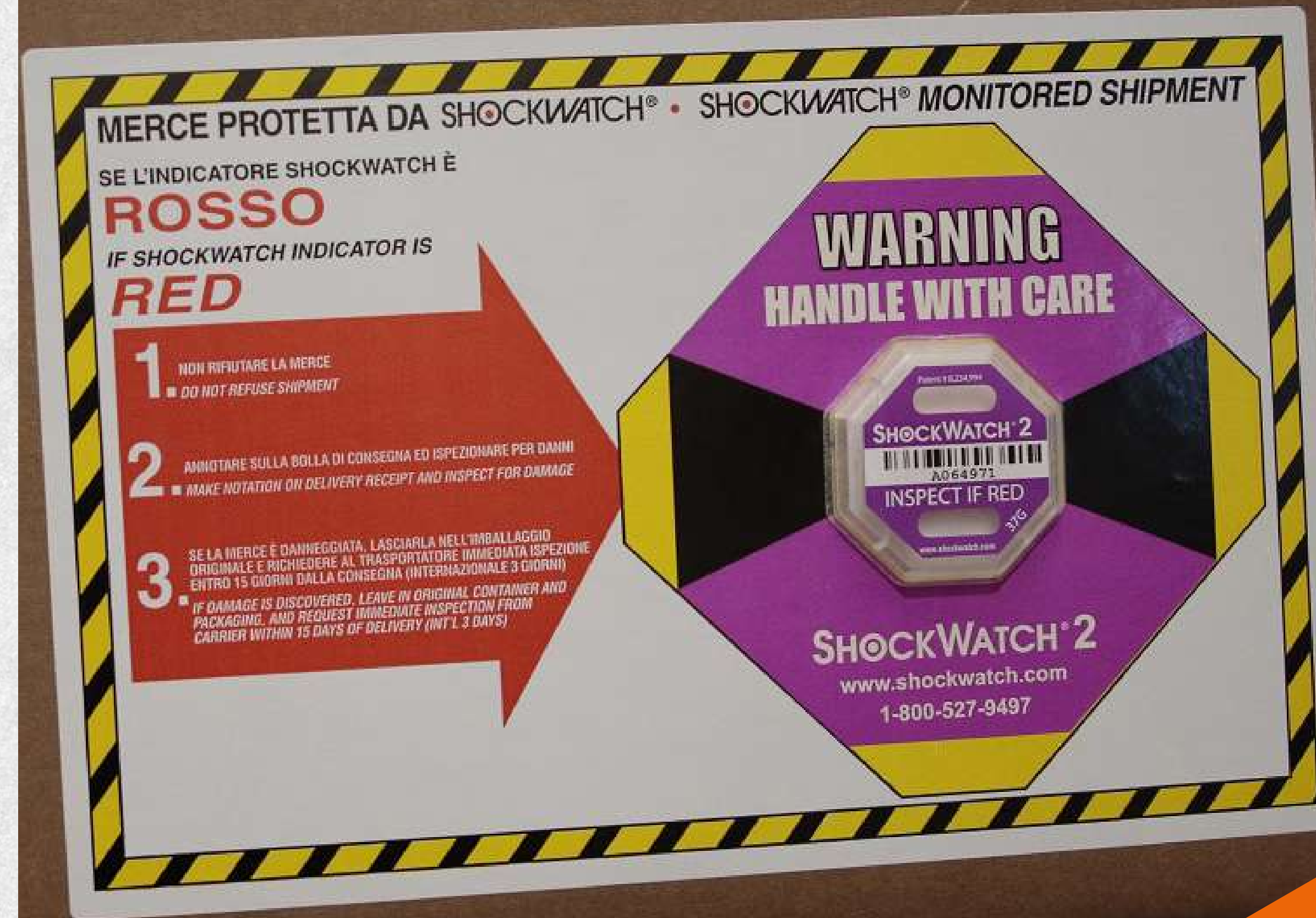
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- Tilt



Back to “I want to protect my cargo during handling operations”

Cocoon



# “I WANT TO USE ECO PACKAGING FOR MY CARGO”

— *Choose the solution you prefer.*

We are committed to the pursuit of environmental sustainability. To this end, we offer the possibility of using completely ecological packaging solutions.

These are products that guarantee the desired end result 100%, as well as having zero environmental impact.

—→ **PAPER PACKAGING SYSTEM**

—→ **ORGANIC DESICCANTS**

—→ **PACKING LIST**

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NEXT PROD.

# RANPAK

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In short, a packaging system that is both good for business and good for the planet.



Back to “What is it that you need”

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## — PLASTIC FREE DESICC.

Desiccant bag manufactured wholly from natural components, so as to maximize the ecological imprint of the packaging.

**COMPOSTABLE** - Elimination of the plastic component has allowed us to come up with the first entirely compostable desiccant bag.

**DUST FREE** - The material developed for the bag also enables complete retention of the dust that could be given off by the desiccant.

Compostable bags can therefore be used to protect any type of packaging.

Main sectors of use:

- Silica gel – electronics, pharmaceutical, food, chemical, clothing, automotive
- Clay desiccant – industrial, mechanical, packaging

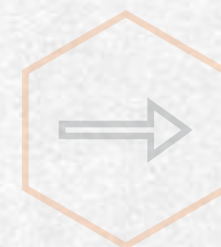


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## — ECOLOGICAL PACKING LIST

Adhesive document pouches are made entirely of paper. Affixed to the outside of cartons or packs, they guarantee the same protection for shipping documents as any standard plastic pouch.

Adhesive pouches are available either transparent, or opaqued to conceal the contents.

Indispensable to logistics operations, pouches are also customizable.

