



# propatech<sup>®</sup> vci film

To solve problems  
caused by:



Corrosion



Oxydation

## Film, bags and covers providing transparent protection!

The **PROPATECH VCI FILM** products are an easy, practical, clean and economical solution adopted by the main automobile manufacturers, steelmakers and metallurgical companies worldwide, to prevent damages caused by corrosion.

The **PROPATECH VCI FILM** products are the result of an advanced production process aiming at efficiently integrating the additive **PROPATECH VCI** in order to guarantee the total functionality and efficacy of the product. The three-layer coextrusion production process also guarantees increased mechanical resistance and a single-directionality of the **PROPATECH VCI** molecules.

The 3 layers of film have the following functions:

- **Inner layer:** guaranteeing immediate protection of the items to be safeguarded.
- **Middle layer:** acting as a **PROPATECH VCI** molecule tank for long term protection. This layer comes into action only after the inner layer has been consumed.
- **Outer layer:** acting as a barrier to the atmospheric agents and as a protective action containment as well. This layer prevents the **PROPATECH VCI** molecules from being dispersed to the exterior, ensuring the sublimation inside the packaging only.

The additive in the **PROPATECH VCI** film is then able to diffuse inside the packaging, thus granting protection from the corrosion of the packed metallic parts.

Thanks to the transparency of **PROPATECH VCI FILM** products, the goods can be correctly used and positioned. This characteristic also facilitates customs procedures since it is not necessary to open and ruin the packaging during inspections.





**propatech<sup>®</sup>vci**  
film

The **PROPATECH VCI FILM** range includes:

#### **PROPATECH VCI FILM**

The **PROPATECH VCI** films are particularly suitable for packaging big machinery and are also used to cover cases, crates, ga.fer. and boxes.

Available in single or multi-fold layer rolls, tubular and sheets of single-layer or coextruded anti-corrosive film.

Minimum height: 100 mm - Maximum height: 10,000 mm

Minimum thickness: 35µm - Maximum thickness: 200µm

#### **PROPATECH VCI CAP / PROPATECH VCI SAC**

Anti-corrosive film sacks, bags and caps suitable for all types of boxes, cases or crates intended for storage and transport, by land or sea, of any small and large metallic items.

Available in pre-cut rolls or packaged in a box.

Minimum opening: 70 mm – Maximum opening: 2,900mm (+maximum gusset: 2,600mm

Minimum thickness: 40µm (single-layer) / 70µm (coextruded) - Maximum thickness: 200µm

A cord can be applied to the **PROPATECH VCI** sacks in order to facilitate the closure in applications where this would be very difficult.

**Main applications:** CKD, metallic automobile components, steel reels, entire machines, all types of metallic items.

#### **CERTIFICATIONS AND REGULATIONS**

**PROPATECH VCI** films **T1500** and **T3000** are certified according to TRGS 615 Standard and they are recyclables.



PRE-CUT ROLL



**propatech<sup>®</sup> vci**  
film t1500 • film t3000



The innovative and technological **PROPATECH VCI T1500** and **T3000** are the eco-friendly, strength films released by **Propagroup** research laboratory. They are the most advanced system to protect any kind of metal goods from oxidation and corrosion.

Produced with high-technology resins and through a tailor-made coextrusion process, these innovative anti-corrosive films are characterised by higher mechanical strength and low permeability to water vapour. In addition, this innovative technology allows to reduce the plastic used by more than 30% ensuring the guarantee of having the same technical characteristics and anticorrosive protection.

**PROPATECH VCI T1500** and **T3000** films guarantee:

- Reduction of the plastic used for your packaging
- Low environmental impact and reduced disposal costs
- High mechanical resistance
- High effectiveness of anticorrosive protection
- Reduced thickness for higher performance
- Low permeability to water vapour
- Low environmental impact
- Easy application (transparent film)

With **PROPATECH VCI T1500** and **T3000** technology can be produced film, bags, sacks and caps.

**Propatech VCI T1500** and **T3000**:

**INNOVATIVE VCI FILMS EVEN MORE STRENGHT AND ECO-FRIENDLY!**



propatech<sup>®</sup>vci  
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Like all plastic films, the Propatech VCI and T1500/T3000 films are also permeable to water vapour as defined by their technical characteristics, which can penetrate the structure and increase the humidity content inside the packaging (even if hermetically sealed).

During transport, when the temperature changes, this water vapour in addition to the humidity imprisoned during the packaging process will vary the relative humidity, with the risk of reaching the dangerous dew point, causing the creation of water droplets inside the packaging.

To avoid this type of problem and to help PROPATECH VCI anticorrosive properties to work in the best conditions, thus extending protection, we recommend you to use our **PROPASEC** or **PROPASIL** desiccant products.

