



# propatech® VCI

To solve problems caused by:



Corrosion



Oxydation

## Protection sublimates!

developed day after day in our research laboratories, which are the world's most advanced in the field of metal protection against corrosion.

**PROPATECH VCI** system is the safest and most convenient method for protecting metal products against damages caused by corrosion, during shipping and storage.

**PROPATECH VCI** papers, introduced in the early 1980s, have been joined over time by many other products, i.e. polymeric films, diffusers, foams etc., satisfying the ever-changing needs of increasingly demanding customers.

Today **PROPATECH VCI** is the anticorrosion system preferred by a majority of manufacturing industries worldwide.

### THE ADVANTAGES OF A HEALTHY AND CLEAN JOB

**PROPATECH VCI** has been developed to achieve:

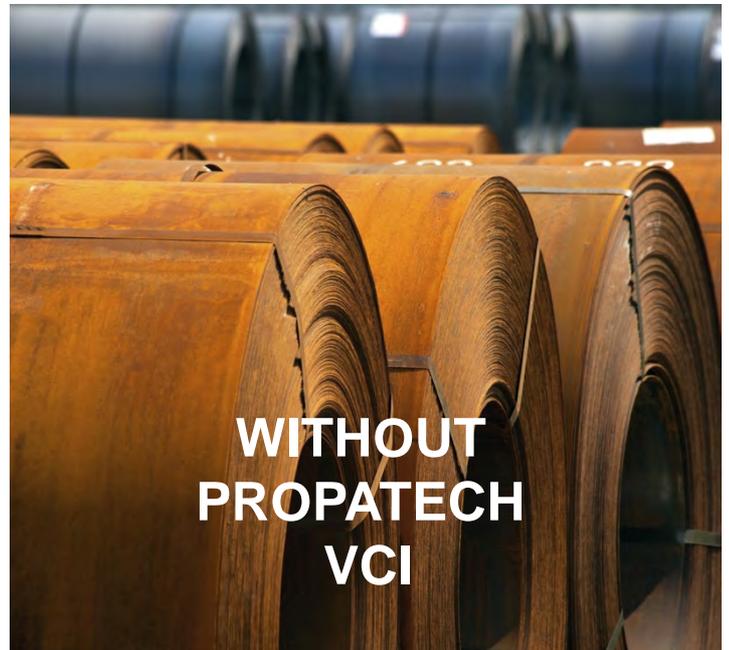
- protection of our customer product quality
- users health protection
- environmental preservation using easily recyclable products

Protection with **PROPATECH VCI** is sure, easy and clean.

**Sure** because **PROPATECH VCI** does not contain nitrites, secondary amines, aromatic amines, heavy metals.

**Easy** because it perfectly integrates with any production process.

**Clean** because it replaces the old methods of oiling and greasing, highly impractical and polluting. With **PROPATECH VCI** your products will be immediately ready to use, clean and perfect, without any need of cleaning them from dirty, polluting oil or grease.





## WHAT IS PROPATECH VCI AND HOW DOES IT WORK?

**Volatile  
Corrosion  
Inhibitor**  
(volatile corrosion inhibitor)

**PROPATECH VCI** volatile substances avoid corrosion (deterioration process of a metallic piece) caused by oxidation of the surface in contact with the external environment.

### Steps of **VCI** action

- **Sublimation:** the transformation from a solid to a gaseous state of VCI molecules starting from the VCI protective material (paper, film, diffusers, foams, etc.)
- **Diffusion:** volatile distribution of VCI molecules into the packaging
- **Adsorption:** VCI molecules depositing on the metallic surface

**PROPATECH VCI** products, sublimating and diffusing inside the packaging, form a thin, invisible layer neutralizing the potential agents which cause metal corrosion, such as condensation, brackish air, sulfurous gases and the most common industrial and environmental pollutants in the air.

