



VCI CORROSION PROTECTION

FILMS

CLIMACOR® – the VCI corrosion inhibitor film by MetPro

A clear view on corrosion protection with CLIMACOR®

Since 1997, MetPro has developed and produced VCI products using the most innovative corrosion inhibitor technology and high quality packaging materials. Climacor® VCI corrosion inhibitor films are among the most effective solutions for corrosion protection in the metalworking industry. Climacor® VCI films are easy to apply, and are available in a wide range of shapes. They can be adjusted to the specific needs of your product, storage and transportation requirements.

We have VCI film to fit every application - multi-metallic, ferrous, non-ferrous, cast iron, copper as well as long and short-term applications. Our film eliminates the need for oils and liquids, which leaves the metal clean, dry and ready for use. They are nitrite-free and tested by accredited laboratories (including the BFSV institute and IKS) and all production plants are ISO 9001:2008 certified.

MetPro is dedicated to meeting industry standards and our products and packaging solutions are developed in collaboration with customers to ensure adherence to both customer and industry expectations.

Health and Safety is a priority for MetPro. We meet with TRGS 900, TRGS 615, GADSL and multiple other industry-specific standards. Our approach to customer satisfaction is achieved by clearly understanding your needs, so that we not only adhere to industry standards, but also meet the requirements of your own company when it comes to health and safety.

Climacor® films are available in the following shapes:

- Single wound sheet/Tubing/Centre fold sheeting
- Flat and gusseted bags
- Case liner and covers
- Skin/stretch and shrink film
- Elasticated bags
- Lock-tip-bag/zipper bag
- Sealed shapes and special constructions
- Bubble films
- Special constructions to customer demand



MetPro Climacor® Basic Information:

- Single wound sheet in widths from 50 – 9,000 mm
- Tube widths from 50 – 4,500 mm
- Gusseted bags with a maximum girth of 9,000 mm
- Centre-fold sheet up to maximum 2,000 mm width folded
- Flat bags from measurement 50 x 130 mm
- Film thickness: 25 µm up to 250 µm
- Lower gauge and co-extruded films
- LDPE-versions or special combinations
- High-performance-foils up to 1,000 g dart-drop

Additional Features:

- Single bags or bags perforated on a roll
- Cut sheet sizes or sheets perforated on a roll
- Printing with VCI and PE symbols
- Printing with your own company logo
- Colourless or special colour
- ESD design with antistatic agent



CLIMACOR® and CLIMACOR®-ESD (electrostatic discharge)

High-tech films for reliable corrosion protection

MetPro Climacor® and Climacor®-ESD with antistatic agent are highly developed transparent VCI corrosion inhibitor films based on the most modern VCI-technology. All Climacor® VCI corrosion inhibitor films are TRGS 615 and TRGS 900 compliant.

Climacor® and Climacor®-ESD:

- Transparent - for easy viewing of packaged goods
- Sealable
- Durable and long-lasting
- Recyclable
- Nitrite free
- Puncture-resistant and temperature-resistant
- Available in different designs and thicknesses



Product

Application

Climacor®

- Suitable for dry metallic parts on FE-basis
- Usage as full wrap, contact protection or case liner distance based
- Ideal for steel, galvanized steel, aluminium, copper, brass

Climacor®-ESD

- Suitable for the shipment of electronic parts
- For steering and elements with electronic components
- Also for mounted or built-in parts, which cannot be charged electrostatically by stacking

All of the above product recommendations should be validated for compatibility with the customer's metal alloy products. Further product variations as well as detailed product data sheets are available upon request.

The MetPro Group product range:

The MetPro Group offers a comprehensive range of VCI products, including but not limited to VCI papers, VCI polypropylene plaques, and VCI liquids as well as support products such as VCI emitters, foams and desiccants.

Contact one of our colleagues today and find out how we can help protect your products in transit and storage.

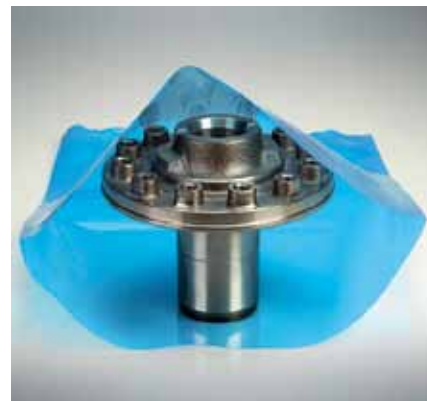


VCI protective vapours ensure that your metal product does not disappear into thin air!

Things at rest will rust. Your products might lie at rest for years, in warehouses, in containers, in exhibition halls, on construction sites etc.

Our Technical team has a wealth of experience in corrosion management and control.

Accelerated corrosion testing is at your disposal. All you have to do is call us!

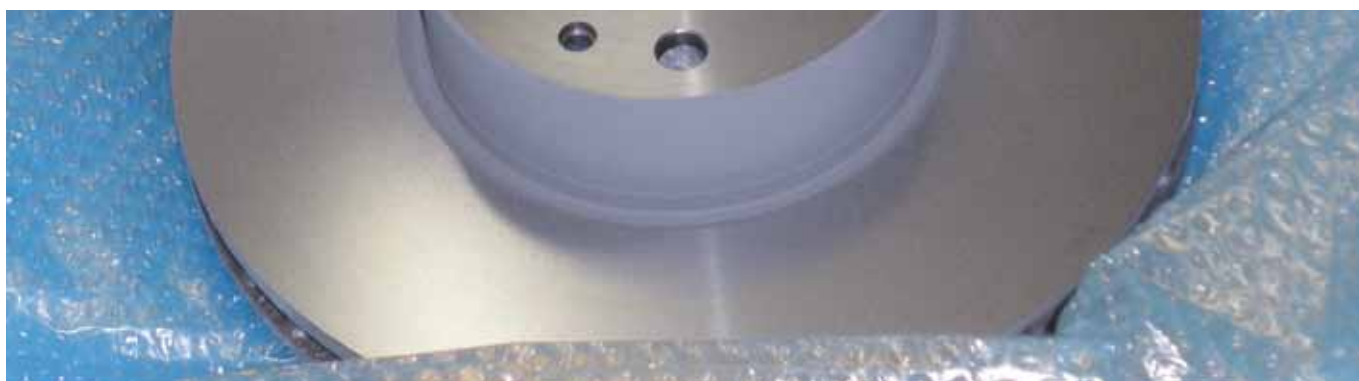


MetPro VCI-products – spread the vapours not the rust!

Simply safe! VCI-products by MetPro are nitrite-free and tested by accredited laboratories. All production plants are ISO 9001: 2008 certified.



PROTECTING YOUR WORLD

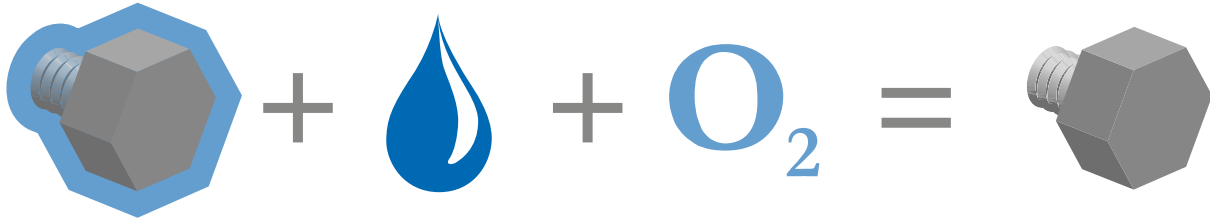
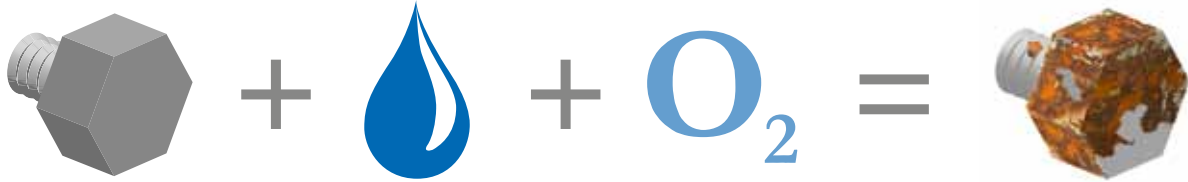


What are VCI corrosion inhibitor films and what is their effect?

VCI (Volatile Corrosion Inhibitor) = gaseous corrosion protection (from the carrier material)

Climacor® film

is a polyethylene film, which contains a combination of VCI chemicals. It protects metals through direct contact and vapor action during storage and transit. The VCI is extruded right into the polyethylene film and not superficially applied. As a result, the volatile and contact inhibitors provide long-term corrosion protection for the most intricate and hard-to-reach surfaces.



VCI corrosion inhibitor films

removes the metal from the formula by its passivating effect

What are the advantages of Climacor® VCI films?

- Reliable corrosion free and long term protection for your products
- Cost savings for your company
- Environmentally friendly and recyclable
- No health and safety hazards
- Simple and secure applications
- Eliminates the use of protective oils and greases, and also the need to wash them off prior to component assembly or use
- Reliable and prompt technical advice from the MetPro team, together with a vast product range and customized options to address your particular needs
- Approved by global leaders in the automobile industry



Goods after transport with VCI protection



Goods after transport without VCI protection

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