



EXPORT AND CORROSION PROTECTION

ALUMINIUM COMPOUND FOIL

A TRANSCENDIA BUSINESS

 **Transcendia**
A LEADER IN CUSTOM ENGINEERED MATERIALS

CLIMA PACKAGING – the barrier and corrosion protection solution from MetPro

CLIMApac® – No. 1 in corrosion protection

CLIMA packaging alters the atmosphere inside the package by the addition of desiccants (dehumidification) or VCI inhibitors (chemical passivation) so that no corrosion occurs.

What are the key considerations for sea freight packaging with desiccants?

- Complete sealing of the package
- Ensure care is taken to avoid damage to the packaging material
- Ensure desiccant is active
- Pack dry, clean and free of hand perspiration
- Take extra care when using wood, carton, paper and compound interlayers
- Seal all potential causes of punctures – e.g. nails, screws
- Protection of high barrier laminates against mechanical destruction like puncturing or abrasion
- Avoid water deposits on the package
- Evacuate remaining air by using a vacuum pump or an industrial vacuum cleaner
- Air evacuation will keep the foil form stable against damage (e.g. wind) and will test the hermetic seal
- The desiccant should have unimpeded contact to the surrounding atmosphere
- Calculate a sufficient amount of desiccant



Standard forms of Clima packaging:

- Rolls and tubes in various dimensions
- Covers with and without base
- Covers with sealed bottoms
- Inlays for Octabins (with and without discharge parts)
- Box Liners
- Container Liners
- Seamed covers (produced according to KIM=internal box dimensions – or FM = finished cover dimensions)
- Side gusseted bags
- CLIMAtainer (container inlays)
- With inspection window for customs checks or desiccant control.



Typical examples where the MetPro CLIMA solution is suitable:

- Machines
- Equipment
- Electrical equipment and appliances
- High voltage switches
- Optical equipment
- Food and confectionary
- Pharmaceutical/chemical/hygroscopic products
- Sensitive semi-finished products such as castings, wire, sheet metal
- Most industrial goods
- Products which are prone to oxidation



MetPro corrosion protection products for export packaging:

Pack + seal = job done!

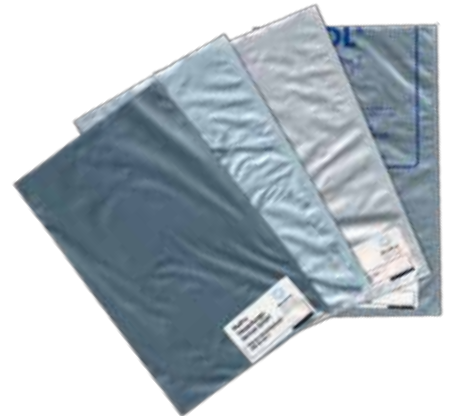
Types of foil printed or unprinted:

CLIMApac 2810

- Outer layer: 12 micron Polyester
- Barrier layer: 8 micron aluminium foil
- Inner layer: 100 micron low density PE, heat-sealable

Any other construction can be laminated with a minimum quantity of 10,000 square meters.

Our foils correspond to the requirements of national and international standards (e.g. DIN/MIL/TL...)



Types of desiccants:

- Fleece bag, 1-32 TME (with or without fixing tape) in cartons or pallet containers
- Paper bag 1/2 - 1 TME (on special request)
- Minigel - special sizes for small and minimum size packaging



Accessories:

- Desiccants
- Humidity indicators
- Continuous sealing appliances and hand-held sealing pliers
- Special rubber seals
- Fabric inserts

Further special solutions or special production variations, as well as detailed product data sheets can be provided to you, so call us today with your special requests.



Corrosion is faster than the fastest mode of transport



We offer a wide range of packaging solutions in water-vapor barrier export technology. Developed by professionals for professionals, MetPro products are reliable and have stood the test of time.

Export and climate protection products to keep your goods dry

Export and climate protection products from MetPro have been tested by accredited laboratories. All manufacturing plants have been certified in accordance with ISO 9001:2008.



MetPro – Protecting your world. Call us today!



Packaging stage 1



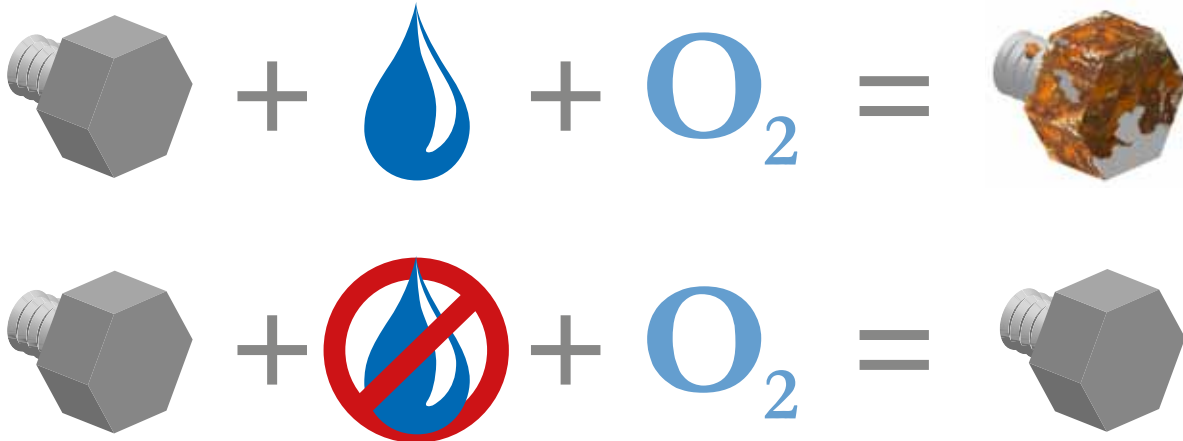
Packaging stage 2



Packaging stage 3

What is CLIMA packaging and how does it prevent corrosion?

This packaging solution uses barrier film and desiccants which together, eliminate moisture and prevent your products from rusting.



CLIMA packaging

Eliminates moisture from the equation by using desiccants

What are the advantages of using the MetPro Clima solution?

- Vastly reduces the moisture transmission rate <0.01g/sq. meter/24 h
- Protects from the effects of weather such as sun, rain, humidity, salt water as well as dust and dirt
- The most reliable corrosion protection process used extensively by companies exporting machinery
- A long term corrosion protection solution – up to ten years!
- The desiccant requirement can be calculated based on the duration of your products in storage
- This low cost solution can be applied to your high end products
- Simple handling
- This light weight packaging is easily disposed of after use
- The packaging is hard wearing against impact, vibration and stacking pressure
- Your products are residue free after packaging is removed
- We can design your bag to suit your product packaging requirements
- Your product is still recognizable inside the high quality packaging





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