

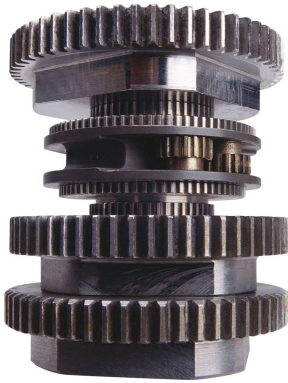
## VCI Good Practice Guide – Useful tips when using VCIs

Technology Packaging manufacture and supply an extremely wide, very effective and high quality range of TechCorro™ VCIs including papers, boards, laminates, films and plastics. The following good practice suggestions will assist in obtaining the most from the VCI materials.

- ✓ The component being protected MUST be clean and preferably dry. If there is contamination on the surface VCI molecules are unable to protect those areas. Moisture is not necessarily a problem so long as it does not contain contamination that will adhere to the surface of the metal.
- ✓ If using an LCI do make sure that all solvents have had time to disperse before packaging. The use of Liquid Corrosion Inhibitors such as the water-displacing corrosion preventive oil TechCorro™[FL] 100, typically contain solvents and these must be allowed to disperse.
- ✓ Once the component is clean protect it from atmospheric contamination. Wherever possible pack the product quickly to avoid contamination from industrial pollutants in the atmosphere such as sulphur dioxide.
- ✓ Packers to wear gloves if at all possible. Although a good VCI such as those available from Technology Packaging will help stop fingerprint corrosion, it is always advisable to keep the component as clean as possible.
- ✓ Do not pack warm/hot products if it can be avoided as they will raise the temperature inside a 'closed' pack. Warm air holds more moisture than cold air resulting in moisture levels being increased inside the package. If this moisture increase can be avoided it is very worthwhile.
- ✓ Use the correct type of VCI. (Ferrous or non-ferrous; Steel or cast).
- ✓ Use the correct amount of VCI for the application.. Check with Technology Packaging if this requires clarification or calculation.
- ✓ Use the VCI in the right place and in the correct configuration in the pack. Although VCIs work at a distance as well as in contact the distance that the VCI is away from the component will affect the efficiency of the protection as will the arrangement of the VCI material in the pack.
- ✓ Making as airtight a pack as possible greatly assists the build up of VCI inside the pack and closing a VCI bag in the correct way is essential for best performance.
- ✓ Allow the VCI to build up its protection before despatch. The VCI system is effective relatively quickly and Technology Packaging can advise on individual cases. However, problems can arise if the VCI system has to work before an appropriate time has elapsed.
- ✓ If packed components are brought into a warm factory from a cold environment and the components are unpacked immediately, they will instantly attract moisture. As the VCIs are no longer effective corrosion may take place. Therefore it is good practice to advise your customers to allow the components to reach ambient temperature *before* unpacking takes place.

Skilled technicians are constantly reviewing and developing new products that are, most often, customer led.

This information is based on existing knowledge and it is not binding. No legal claims can be derived from it. 200603.v1



## The global partnership in corrosion prevention

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**TechCorro™ [BF]  
barrier foil**

Bags  
Rolls  
Sheets

All these products are supplied with or without VCI

**TechCorro™ [B]  
boards**

Corrugated paper  
Cartons and boards  
Chips

All these products are supplied with or without VCI

**TechCorro™ [D]  
desiccant**

Various desiccant types in bags  
Bulk  
Desiccant with VCI

**TechCorro™ [E]  
emitters**

VCI Foams  
VCI Devices

**TechCorro™ [EQ]  
equipment**

A comprehensive range of items including:- handling equipment, heat sealing tools packing benches, packing cases/containers and more.

**TechCorro™ [F]  
films**

Polyethylene films  
Stretch films  
Shrink films  
Laminated film products  
Bubble films

All these products are supplied with or without VCI

**TechCorro™ [FL]  
fluids**

Oil based  
Water based  
VOC free and more...

All these products are supplied with or without VCI

**TechCorro™ [P]  
papers**

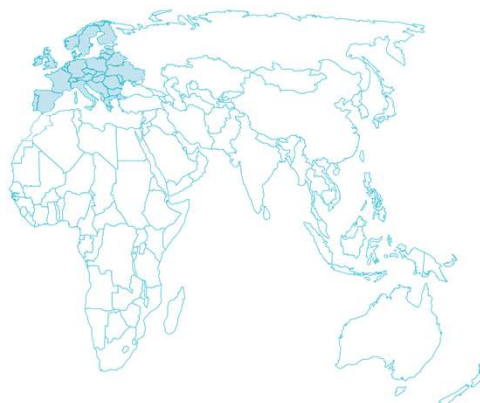
Flat papers  
Creped papers  
PE Coated papers  
Reinforced papers  
Laminated paper products

All these products are supplied with or without VCI

**TechCorro™ [PL]  
plastics**

Plastic items with or without VCI such as:- netting, corrugated sheets, wire and more...

**Distributors throughout Europe**



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- boards
- desiccants
- emitters
- equipment
- films
- fluids
- papers
- plastics