



### key features & benefits

- Simplicity** Eliminates the need for conversation oils, VCI papers, chemicals or degreasing cleaners.
- Efficiency** Simplify packing & handling operations with fewer processes and no need to add / remove corrosion prevention materials.
- Eco-Friendly** Chemicals used in the VCI treatment are fully biodegradable, recyclable and do not use any dangerous substances.
- Availability** Available in very short runs - from as low as 200 square metres of material - for low cost with no commitment.

### corrust anti corrosion coating details

Several studies estimate that damage through corrosion in the engineering industry in Europe is several billion pounds per year. Metal products, either ferrous or non ferrous, are at risk from rust, with sea air (chlorides), or industrial smog (hydrogen dioxides) combine with humidity to create a chemical reaction (the outcome of which is rusting of metal products).

Corrust<sup>®</sup> is a corrugated cardboard with a vapour corrosion inhibitor (VCI). The VCI is a special process where VCI molecules vaporize out of the coating and saturate the area within the package. Due to its polarisation character, the molecules attach themselves to the surface of the metal goods and this prevents the reaction of oxygen with the metal surface which causes rust.

### innovators

- award winning in-house design team
- vast experience of various coatings & applications
- truly innovative solutions and rapid response

### in

- just in time (JIT) delivery service available
- stock holding of inks for reduced lead times
- bespoke online ordering system

### protective

- very low minimum order quantities & runs
- re-usable & environmentally friendly options
- ISO accredited solutions for every industry sector

### packaging

- boxes, divisions, trays, POS display, containers & more
- personalisation through printing & colours
- expertise in the conversion of Correx

#### Corrust Applications

- Protection of metal tools, components and products
- Transit packaging
- Long term storage of both ferrous and non ferrous metals

#### How it Works

GWP Coatings has developed a new product called Corrust<sup>®</sup> to prevent rust. Corrust<sup>®</sup> is a corrugated cardboard with a vapour corrosion inhibitor (VCI). The VCI is a special process where VCI molecules vaporize out of the coating and saturate the area within the package. Due to its polarisation character, the molecules attach themselves to the surface of the metal goods and this prevents the reaction of oxygen with the metal surface which causes rust.

When new metal products are made they can be inserted straight into the Corrust<sup>®</sup> package without any need for the manufacturer to apply a corrosion protection material or to wrap it in VCI paper. This also means that the end users can open the package and use the product immediately without having to clean off any protective coating. This clearly saves the time taken to apply the protective material or to wrap it in VCI paper which bears a labour and material cost.

#### Conversion Information

Corrust<sup>®</sup> can either be applied to one or both sides of the corrugated board and it is green in colour. Corrust<sup>®</sup> VCI coating is only applied to a pure Kraft liner as recycled liners contain harmful chemicals which will help generate rust. The coated board should be converted within 2-3 months of manufacture or it can be stored for longer provided it is fully wrapped with stretch or shrink wrap. If it is left unwrapped it will lose its' VCI properties.

#### Corrust Specification

The minimum sheet size available is 250 x 500 mm and the maximum sheet size is 1500 x 3000 mm.

Chemicals used in the VCI treatment are fully biodegradable and recyclable. They do not use any nitrates, heavy metals, silicon or other dangerous substances and the materials can be handled without the need for any protective clothing.

#### Limited Warranty:

All statements, technical information and recommendations are based on tests GWP Coatings believes to be reliable, but is not guaranteed. GWP warrants Corrust<sup>®</sup> products will be free from defects when shipped. GWP Coatings' obligation under this warranty will be limited to replacement of product proven to be defective. To obtain replacement product under warranty, the customer must notify GWP of the claimed defect within six months of shipment of product. All freight charges for replacement will be paid by customer. GWP have no liability for any injury, loss or damage arising from the use of or the inability to use the products. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of GWP. The foregoing warranty is exclusive and in lieu of all other warranties, express, implied or statutory, including without limitation any implied warranty of merchantability or of fitness for a particular purpose, in no case shall GWP Coatings be liable for incidental or consequential damages.