

Corrosion Protection Packaging



Intercept Technology
...simply better protection!

ITG Intercept Technology Group

We can and do support our customers, through competent advice to clients and through our global technical advisor network. We support our customers in order to master the demands on all packaging requirements.

Tailor-made systems, which are focused on the client's needs, can be achieved through the use of our own internal engineering services.

Through the selection of qualified manufacturers, which are certified with DIN, ISO and / or a similar quality standard (Veritas), we can offer goods with the highest available technical standard.

The packaging process and its function can be certified in accordance with ISO 9001:2000. The technology has been awarded with the 6th German Hazardous Materials Protection Prize being recognized as an environmentally friendly anti-corrosion packaging material.

From the smallest zipper-bag to full container liner, every possible quality of packaging material can be manufactured using our technology. As wide as the range of applications maybe, the solution however is often the same: INTERCEPT®.

Try our products and services...and be convinced.





Examples of Industry sectors benefitting from the CORROSION INTERCEPT® Technology:

Automobile: (OEM and Supplier)

- Storage and shipment of units and components world wide
- Storage of components and systems for up to 15 years

Military

- Storage and shipment of weapon systems
- Storage and shipment of component parts
- Storage and shipment of ammunition
- Storage and shipment of shrink wrapped aviation equipment and aircraft

Aeronautics

- Shipment of spare-parts
- Shipment of engines
- Shipment and storage of components

Electronic Storage Media

- CD and DVD storage systems
- Shipment of Hard-Drives
- Electronic components in general

Resources

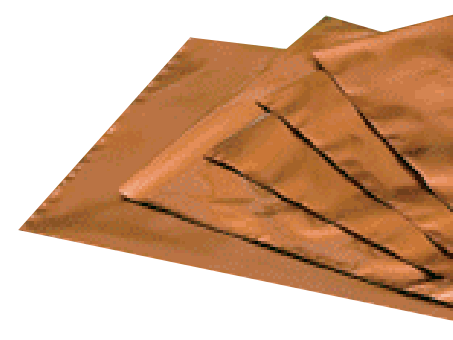
- Allows for re-inspection
- Allows for maintenance/rotation
- UV/temperature stabilised
- Robust and reusable

Industry

- Metal and alloy preservation
- Aluminium Coils
- Cast (Iron and Aluminium)
- Storage of equipment outdoors

Museums and Archives

- Storage of paintings and organic materials
- Storage of mint collections
- Storage of drawings and photographs
- Backing Board and Coated Tyvek



Protected with Intercept



Not Protected



Intercept products are environmentally safe, recyclable and do not pose any risk for workers.



CORROSION INTERCEPT®

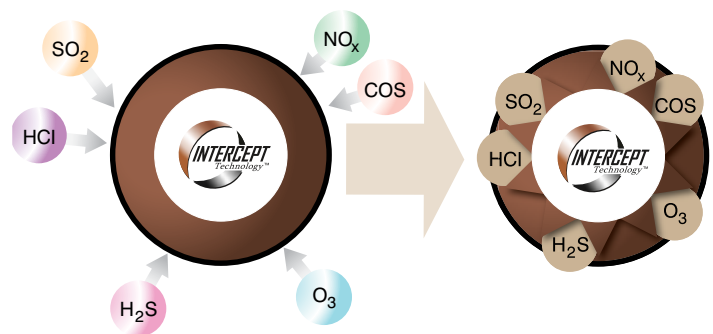
Intercept Technology™ is the new generation of corrosion prevention which provides an active protection for all materials.

The principle technology was developed and patented by Lucent Technologies and Bell Laboratories (U.S.A.). Intercept Products consist of special high surface area copper particles which are chemically fixed to the polymer-matrix of the product. Several protective functions are combined in one product.

- Neutralization of present corrosive gases and migrating gases
- Protection similar to a sacrificial 'Anode' for electrochemical processes
- Natural function against Bio-corrosion of Metals.

Intercept neutralizes corrosive gases which are present inside the package (approx. 60 minutes) and those gases which permeate through the film during their time of storage.

Intercept Chemistry



Intercept delivers protection by reacting with and then permanently neutralizing corrosive elements

These gases are permanently bound with the copper particles. All materials are equally protected – only one packaging material for all applications!

Since there will not be any migration of particles, there cannot be any contact reaction between the goods and/or workers.

Even minor perforations do not limit the performance of Intercept products.



Product Varieties

CORROSION INTERCEPT®

Colour: Copper

Application: General corrosion, storage, dry storage (Digital Data, Medical, Garments)

ESD: Not designed for ESD application

STATIC INTERCEPT®

Colour: Brown – black

Application: General corrosion protection, short to long term storage (To 15 years storage), overseas shipment, all materials, ESD applications

ESD: 106 – 108 Ω 'permanent'

R.I.B.S.™

Colour: Copper/ black

Application: Packaging of electronics as well as non-ferrous metal

ESD: 105 – 1011 Ω 'permanent', clean room

R.I.B.S.™ MVTR

Colour: Copper/ silver

Application: Electronics, moisture sensitive items, clean room, radiation sensitive devices

ESD: 109 – 1011 Ω 'permanent'

MVTR: 0.0016g/m /24 h at 38°C

EMI: Depending on design

R.I.B.S.™ Shielding

Colour: copper/ black

Application: electronics, ESD-shielding as well as radiation sensitive devices

ESD: 109 – 1011 Ω 'permanent'

EMI: Depending on design

Note: RIBS Laminates are not recyclable

The above Intercept qualities can be manufactured in a variety of dimensions and forms:

- Polymer Films, Bags and Pouches
- Laminated and Shrink Films
- Stretch Films
- Canvas and Woven Fabrics
- Injection Moulded Boxes/Products
- Corrugated Cardboards
- Laminated Foams
- CD and DVD Systems
- Crate and Container Liners



...simply better protection!

www.intercept-technology.com

PACKAGING FOR STORAGE, LOGISTICS & PRESERVATION



LEAD FREE



RoHS
Compliant