

Anti-Corrosion • Anti-Rust • Anti-Mold & Mildew • Permanent ESD

# Intercept Technology™

...Simply Better Protection

## The **Only** Contamination-Free Corrosion Control & Static Protection



**Intercept Technology™** is a revolutionary plastic film and packaging technology that delivers effective long-term, corrosion protection against rust, oxidation, tarnish, mold, and mildew, while also providing permanent ESD protection. It's clean, green, and safe... reusable and recyclable.



Intercept was developed by Bell Labs more than 20 years ago. It's been rigorously tested by independent scientists and laboratories, and approved for use by companies in many applications all over the world.

Intercept has been proven to safely protect a variety of materials: ferrous and non-ferrous metals, plastics, rubber, electronics, optics, textiles, and more. It's ideal for many industries including oil & gas, power generation, mining, automotive, high-end electronics, aerospace, transportation, telecommunication, and others.

**The Perfect Solution.** Intercept is the next generation of industrial packaging protection, fortification specifically designed to protect all materials that are degraded by atmospheric pollution and the reactive gases that cause corrosion.



### Configurations & Styles

- **Stock & Custom Solutions**  
No Size Limit!
- **Flat Bags**
- **Square-bottom Bags**
- **Gusseted Bags**
- **Tubing**
- **Sheet Goods**
- **Shrink Film**
- **Ready-made Kits**

### It's science, but it works like magic

- Intercept provides long-term protection from rust, tarnish, oxidation in a variety of environments, for up to 10 years.
- Scientists at Bell Labs invented a method to transform normal plastic into a high-gas barrier material, utilizing **copper** reacted into the plastic molecular chain.
- Reacts with and then permanently neutralizes corrosive gases.
- Seals and forms like a standard plastic.
- Safe for all materials and products. Doesn't coat, contaminate or leave deposits of any kind.





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**Intercept Technology™** is the most advanced packaging system invented because of its comprehensive protection, superior field performance, safety, simplicity, and design flexibility. Intercept is a proven technology, providing anti-corrosion protection and process improvement for manufacturing, during shipping, and while in storage. It will save you money, time, and worry.



Developed by Bell Labs, Intercept was specifically designed to overcome the shortcomings of traditional packaging methods and materials. Quite simply, Intercept creates an **active** barrier — rather than a passive one — and shrouds your critical assets with industry's only combination of corrosion control with solid static protection.

## Long-term, Effective Corrosion Protection

- 100% volatile-free clean, plastic material
- No outgassing
- Static dissipative
- Inert, non-coating
- Tape or heat-seal for effective protection
- Cost-effective
- Recyclable, reusable

## Many Applications:

- Safe protection for ferrous and non-ferrous metals, plastics, rubber, electronics, etc. subject to corrosive damage (rust, oxidation, tarnish, mold, mildew, etc.)
- Short or Long-term Indoor Storage
- Import/Export
- Warehousing
- Manufacturing
- Cleanroom
- Parts Management
- Crate Liners

## Traditional materials problematic

Intercept provides something different: a **reactive barrier to corrosive gases**. Many traditional materials (foil laminates) are simply passive barriers, working on the dry method of preservation, which require less than 37% RH (relative humidity) at all times. This works well at times, however the packaging cannot be opened or resealed. Even a single pinhole in the structure or seal will compromise the protection. Barrier packaging demands complete hermetic seals to be effective, and requires the bag is sufficiently loaded with desiccant to maintain the low RH level. Other methods rely on volatile protection (VCIs - Volatile Corrosion Inhibitors) which add to the VOC loading. They need to be monitored for shelf life and correct material for the metal being protected.

Non-ferrous metals, however, corrode primarily due to corrosive gases, not moisture. Dry pack packaging is then ineffective, as humidity is not the driving force. This can be seen (for example) in shipments to Asia. Due to severe levels of atmospheric pollution (as much as 200 times higher than here in the US), non-ferrous metals are often corroding in days or weeks instead of what was traditionally seen in months or years.

## Intercept works better

Because foils are passive, they provide only inert barrier properties. Intercept works differently, performing as an **active** barrier. This unique material becomes a torturous path for corrosive gases — including Sulfur, Chlorine, Ozone, Nitrous gases, etc. Intercept's robust protection prevents gases from penetrating the bag, but also cleanses the interior air space, creating a neutralized micro-environment inside — free from destructive corrosive gases. By eliminating the fuel that's necessary for corrosion you're protecting assets and all their components: ferrous and non-ferrous metals, rubber, plastics, fabrics, paint, and more.

Intercept contains no oils, no volatiles, and no contaminants, and does not outgas. It has accelerated breakdown in landfills, and is recyclable and reusable. It can easily be repaired and reclosed in the field and at customs. Intercept's ESD protection is permanent, as ESD values on the films and bags are normally 10e6 to 10e9 Ohms/Sq, the ideal ESD range. Also, Intercept allows RF signals through the material, permitting the use of RFID tags inside the finished packaging.

## Ideal for every industry:

- Oil & Gas
- Heavy Equipment
- Mining
- Electronics
- Aerospace
- Telecommunications
- Museums
- Optics
- Munitions
- Energy
- Textiles
- Transportation

