

Anti-Corrosion • Anti-Rust • Anti-Mold & Mildew
Intercept Technology™
...Simply Better Protection

Shrink Film that delivers comprehensive long-term protection against corrosion



Intercept Technology™ Shrink Film is a superior plastic packaging technology that provides effective long-term, outdoor protection against rust, oxidation, tarnish, mold, and mildew. 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 designed for safeguarding equipment, machinery, spare parts and other critical assets against corrosion damage during shipping and storage. Intercept's unique combination of performance and ease of use make it the go-to solution throughout industry, including oil & gas, aerospace, heavy equipment, automotive, high-end electronics, power generation, energy, transportation, telecommunication, mining, and others.

The Perfect Solution. Intercept Technology Shrink Film 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.

It's science, but it works like magic

- Intercept Shrink provides long-term protection from corrosion in a variety of severe environments, and works indoors or outdoors.
- 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.



www.xtendpackaging.com

Shrink Film for Long-term Contamination-Free Corrosion Control

Intercept Technology™

...Simply Better Protection



Intercept Technology™ is the most advanced packaging solution available for industry. Its unique combination of comprehensive protection, cleanliness, and superior field performance, together with its simplicity and design flexibility make it the premier choice for technical personnel around the globe. Intercept is a proven technology, providing anti-corrosion protection during shipping and for long-term storage of valuable assets. It will save you money, time, and worry.



Developed by Bell Labs, Intercept was specifically designed to overcome the shortcomings of traditional protective methods and packaging. Only Intercept works by creating an **active** barrier — rather than a passive one — and shrouds your assets with industry's best long-term corrosion control.

Outdoor or Indoor 2-way Protection

- **Strong UV barrier on the exterior white side, with Intercept's patented anti-corrosion film inside**
- **100% volatile-free, clean plastic material**
- **Static dissipative**
- **Tape OR heat-seal for long-term protection**
- **Recyclable, cost-effective**

Many Applications:

- Metals, plastics, fabrics, rubber, etc. subject to corrosive damage (rust, oxidation, mold, mildew)
- Complex shapes and large assets no problem
- Protect one asset OR an entire factory



A tight, heated seal is not necessary for safe and effective long-term protection

Traditional packaging materials problematic

Only Intercept provides something truly different: **a reactive barrier to corrosive gases**. Many traditional materials (like foil laminates) are only passive barriers, working on the dry method of preservation which require less than 37% RH (relative humidity) at all times. This can work well in some cases, however the package is not designed to be opened and closed, or resealed. Even a single pin-hole in the structure or seal compromises the protection. Barrier packaging demands a complete hermetic seal 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 these gases from penetrating the bag, while Intercept 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, electronics, paint, and more.

Intercept contains no oils, no volatiles, no contaminants, and it does not outgas. It has accelerated breakdown in landfills, and is fully recyclable and reusable. It can easily be repaired and reclosed in the field and at customs. The 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 Shrink Film allows RF signals through the material, permitting the use of RFID tags inside the finished packaging.

Ideal solution for every industry:

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

