

Intercept Technology™ Packaging Provides 3-Way Protection: Anti-Corrosion, Anti-Static, Anti-Mold/Mildew

Intercept Technology – the **non-chemical solution** to equipment protection. Intercept employs a packaging polymer that reacts with and neutralizes the gases that cause metals to corrode or rust. Intercept Technology currently is in use by Fortune 500 aerospace & telecommunication companies to provide stable, long-lasting corrosion and electro-static discharge (ESD) protection while neutralizing destructive mold and mildew coming into contact with the resin.

Metallic corrosion is caused primarily by the reaction of corrosive or reactive atmospheric gases. These atmospheric gases (ozone, hydrogen sulfide, carbonyl sulfide, hydrogen chloride, sulfur dioxide) and the gases (acetic and formic acids) released by wood and corrugate easily combine with metal surfaces causing corrosion and oxidation. Intercept Technology inventor Bell Labs determined that up to 80% of their latent field defects were being caused by, or related to corrosion.

Gases with sulfur and chlorine are the major gases causing corrosion. Preventing corrosion means keeping these and other reactive gases from contacting the metal surfaces. Keeping these gases away from the metal surfaces will keep the surfaces clean and free of oxidation and corrosion.

How do you effectively keep the gases away? The answer is Intercept Technology - utilizing a revolutionary approach of inserting highly reactive copper into the polymer matrix. This backbone of copper forms a reactive barrier to the gases. Because of this torturous path through the copper it is impossible for these gases to pass through Intercept to attack what is inside the shrinkwrapped film. While inside the envelope, the Intercept acts as a preferential corrosion site reacting and cleansing trapped air, making a safe micro-environment for your stored/shipped objects. It protects best when the item starts clean and the inside environment is kept dry. Intercept also protects against static electricity – the silent killer of electronics.

Advantages:

- ❖ ESD and CDM safe in the ideal ESD range
- ❖ Environmental and Personnel Protective by not emitting volatile chemicals
 - Uses no oils – No VOCs, **Not a VCI!**
 - Recyclable as colored polyethylene
- ❖ Protects in any typical storage/shipping temperature, wet or dry:
- ❖ Non-Contaminating and Non-Outgassing when used as directed. Safe for all plastics and optics – contains no amines or nitrites

Intercept has been used successfully for years protecting everything from satellites; sensitive guidance systems; optical switches; weapons; major works of art; sculptures; silver; rubber components; paper; and even guitar strings. The copper in the material also helps control the formation and growth of molds and mildew when in intimate contact with the surface. One hallmark of this new polymer class is that it is so versatile.

Bell Labs developed Intercept Technology to better protect their own systems. They discovered that corrosion weakens electrical components, making them more sensitive to ESD effects. Corrosion also adversely effects solderability – it is very difficult to solder through corrosion or oxidation. Intercept is the only packaging material that meets Lucent's packaging specification X-21386. Intercept keeps surfaces pristine, enhancing solderability and extending useful operating life of the electronic system or component.

Intercept Shrinkfilm is only available from FPM and its distributors. Ideal for military & commercial aviation, boats, equipment, and materiel shipment & storage, Intercept provides 3-way protection, using only 1 product.

NOW Available up to 40 feet wide and with up to 5 years UV protection!!!

FPM Inc (The Shrinkwrapping Company)

a service connected disabled veteran-owned, small business, CAGE Code 48884
GSA Contract GS15-F-0125M



simply better protection



HQ T/ 01-800-222-4449; F/01-800-222-4456
Flatrock, MI www.InterceptShrinkfilm.com for
technical. **VP Randy Dutton** 1-360-249-5833 P.S.T.
InterceptShrinkfilm@gmail.com



simply better protection

