

Turn Wood Crates into Anti-Corrosion Storage Containers with Intercept Shrinkfilm™

INTERCEPT BENEFITS*

- ★ Reduces overall manpower & packaging costs
- ★ Scavenges corrosive gases (acetic and formic acids) released by wood, plywood, and related components
- ★ Protects metals & elastomers from atmospheric corrosive gases (chlorides, sulfides, ozone, nitrous oxides, etc.)
- ★ Scavenges trapped corrosive gases within container volume including those gases released over time by stored items
- ★ Protects in any humidity and in all typical storage temperatures
- ★ Can't contaminate stored item – safe for electronics, hard drives, optics, and nearly all explosives
- ★ No static charge generated in any humidity – no tribocharging – CDM safe
- ★ Protects stored items for up to 10 years per mil of Intercept
- ★ Protects even if small air leakage occurs
- ★ Inhibits mold/mildew on Intercept surface
- ★ Applies easily to inside wood crate surface
- ★ No shelf-life limit
- ★ RoHS and EPA compliant

WOOD ISSUES*

- ★ Wood offgases acetic acid; formic acid is offgassed at 1/10th the rate
- ★ Hardwoods (3-6%) contain more acetic acid than softwoods (1-3%)
- ★ Dry-kiln wood doesn't solve problem – it may depress RH buffering, and accelerate production of free acetic & formic acids
- ★ Formaldehyde is used in many plywoods, paints, coatings, foams, fiberglass & molded material.
- ★ Formaldehyde hydrolyzes into formic acid, and photo-oxidizes into peroxides
- ★ Flame retardants and fumigants in wood may contain corrosive compounds
- ★ Stored items in crates also may offgas sulfur, hydrochloric acid, chlorides, and other acidic vapors
- ★ Crates are not perfectly sealed due to diffusion, convection, expansion and contraction of air from barometric pressure changes and temperature.

*reference material available upon request

“Static Intercept (SI) resin prevents 1ppm chlorine (marine layer concentration) from penetrating 2-mil of low density polyethylene (LDPE) with SI for 34.5 years compared to 7.4 days for regular LDPE”

- Dupont Analytical Lab

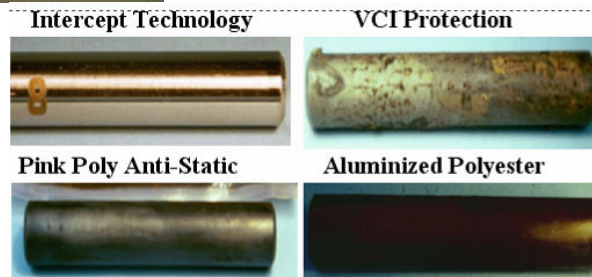


No volatile chemicals involved – Intercept doesn't expose workers or equipment to contaminants

In 2004, US Army TACOM specified 2250 crates be lined with Intercept Shrinkfilm to protect up-armored truck cab shipments to Iraq and then provide the long-term storage of the removed standard cabs. In 2006 this design won 1st Place in NIPHLE's Long Life Packaging Design Competition



Intercept Shrinkfilm shown to turn knock-down crate into reusable anti-corrosive storage container. Photo provided by Hardy Graham Inc www.hardy-builtfastener.com and depicts their Hardy-Built Fastener System



Independent ASTM B117 salt spray testing results by American Competitive Institute

Intercept Shrinkfilm™ is a revolutionary packaging system solving problems other packaging films can't. Don't flood the storage space with volatile chemicals, or trust a vacuum will be maintained. Instead use Intercept's covalently bonded copper in a PE resin to sacrificially eliminate the corrosive gases that easily pass through other polyethylene films that are trapped during initial packaging. This cleansing protection continues even with an imperfect seal or when temporarily opened by Customs or users. Because Intercept Shrinkfilm doesn't use preservative chemicals or vacuums, it allows for a simple, one-step preservation process that requires no follow up management, hazardous chemical training, or shelf-life administration.

Intercept is the most versatile anti-corrosive product available – anywhere – because in typical storage conditions it can be used to protect nearly anything, nearly anywhere, without contamination concerns or typical temperature / humidity limitations.

Intercept - extensively tested and increasingly used by museums, Fortune 500 companies, US and foreign militaries, & transport companies. Approvals include: UK MOD; TACOM for various MIL-B-131 replacement; Rolls Royce; TRW; NASA; BMW; Ford; & more. Intercept Shrinkfilm™ – US-made and available from FPM Inc and its distributors.



simply better protection



FPM Inc. – the company that invented boat and aircraft shrinkwrapping, is a service-connected, disabled-veteran-owned small business (CAGE Code 48884), ISO 9001:2000 & 14001. For more Intercept information go to www.InterceptShrinkfilm.com or contact Randy Dutton 360-249-5833 PST at InterceptShrinkfilm@gmail.com. Sales at FPM HQ Flat Rock, MI USA, 800-222-4449 www.shrinkwrapping.com. GSA contract GS-15F-0025M.

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