



Intercept Anti-Corrosion Canvas

Create the ultimate re-usable anti-corrosion protection.

The Perfect Solution. Intercept fabric is the next generation of reusable industrial packaging, specifically designed to protect your assets before they can be attacked or degraded by destructive corrosion. Protects metal, polycarbonates and fabrics.



Intercept Technology™ complies to:

British MOD standard Def Stan 81-41 Part 2, methods 1 and 1C & Def Stan 81-41 Part1A and 11 corrosion protection. **Australian Defence Standard** DEF(AUST)1000C Part 3 for preservation packaging. **American MIL- PRF 81705E** (type 2 and 3) and Mil-PRF-131



Defense application for maintaining equipment during shipping and storage. Intercept covers are light weight and allows for rapid deployment. Intercept Technology contains no oils or volatile solvents and is safe to use with optical mirrors and fibres. Intercept canvas covers are reusable.



Intercept meets Rolls Royce Specification RPS367 Corrosion protection of components during manufacture and storage



New Product Innovation 3D Printing with Intercept Technology™



Intercept has developed a world first 3d printing filament providing anti-corrosion protection. You can now print 3d items directly from you printer. Enquire Now.



Intercept lined timber boxes reusable corrosion protection



Photo credit Intercept Thailand

Intercept lined crates and boxes providing corrosion protection that is able to be inspected, closed, then INTERCEPT goes back to work .



Timber crating for transport to overseas destinations. Is it protecting the item from corrosion? Probably not.

INTERCEPT provides the barrier between the corrosive timber and the item:

1. Corrosion protection.
2. Inspection of item when received at customs.
3. No off gassing of harmful chemicals or volatile solvents.
4. Access to the item for rotation of shafts and bearings.
5. Reusable and recyclable.



Low Signature Armored Cabs shipped to Iraq, Kuwait and Afghanistan in Reusable Intercept lined crates no damage and no rust

Intercept lined crates for Low Signature Armored Cab (LSAC). The three main objectives for the container. First, the container needed to adequately protect the LSAC during shipment to SWA (Iraq, Kuwait and Afghanistan). Second, the container needed to be reusable. After the LSAC was installed on a truck chassis in SWA, the standard Family of Medium Tactical Vehicle (FMTV) cab (removed from the chassis during the retro fit) was shipped to the U.S. for storage. The reusable container needed to adequately protect the standard FMTV cab from corrosion during shipment and long term storage. Up to 5000 were lined.

Photo credit Engineered Materials Inc USA



Facts about timber packaging What makes Intercept Technology™ unique?

It is generally agreed that all woods excrete acetic acid as they age, and that acid continues to be formed for many decades after the wood is machined, even from those woods in which initial production is relatively rapid. The acid in the wood, as revealed by the pH value, can cause corrosion by contact, and that out-gassing from the wood can cause vapor corrosion within enclosed spaces.

Acetic Acid(C₂H₄O₂) -

- Released by all green and dry kiln woods and corrugate
- Acetic acid is corrosive to many metals including iron, magnesium, and zinc, forming hydrogen gas and metal salts called acetates

Formic Acid(CH₂O₂) -

- Released by woods
- Formed when formaldehyde, used in many adhesives, coatings, foams, and plywoods, is exposed to humidity >50%

Article reference: Corrosion of Metals by WOOD/BM

- A significant combustion product resulting from alternative fuelled vehicles burning methanol
- Corrosive to most metals and glass.

The corrosive agent is acetic acid emitted by the wood, and the materials most susceptible and by what degree;

1 Severe corrosion

- Cadmium
- Carbon steels
- Low alloy steels
- Lead and lead alloys
- Magnesium and its alloys

2 Moderate corrosion

- Copper and its alloys

3 Slight corrosion

- Aluminium and its low strength alloys; slightly greater for Al-Cu and Al-Zn alloys

Intercept simply better protection...



Intercept Barrier against corrosion from timber produced acids



Intercept Technology helping to protect children in need



In comes Intercept to the rescue

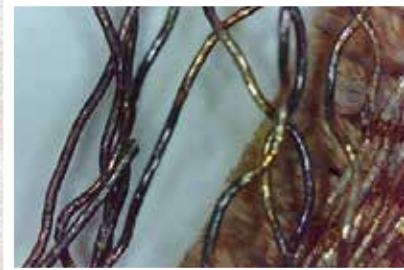
To date textile conservator Rinske Car of the Denmark River Textile Conservation Studio have run a three month trial on a Papal Guard jacket belonging to a local community museum and in this short time the results are encouraging. Close inspection of the object, using an electronic microscope, shows mobilisation of the silver sulphide from the surface and the thicker layers deeper inside the structure are apparently thinning out. It seems almost hard to believe that what was once considered an irreversible process is now being "magically" transformed and the sulphide ions are effectively migrating in the bag to react with the copper to form copper sulphide, which is much more stable than silver sulphide. It shows that thermodynamic equilibria works. Once testing has been completed it is hoped that it will be possible to begin rolling out this treatment program to the 360 community based museums in Western Australia and to state collecting institutions.

Dr Ian D MacLeod
Fellow, Western Australian Museum

Protection of Paintings and Drawings from Pollution (Atmospheric Pollutants)

Leading museums, have noted that a substantial amount of degradation and damage to canvases, drawings and other hanging artwork comes through the walls, especially exterior walls. It is critical to protect the back of paintings to stop or slow the damage that these gases can have. Corrosion Intercept® film reacts with and permanently neutralizes the corrosive gases (pollutants) keeping them from the artwork.

The use of silver-copper alloys for decoration of fine costumes has traditionally been seen as something that is quite wonderful and shows off the temporal power and beauty of the metal, which symbolizes all that is pure and good. However the presence of copper in the silver predisposes the metal to an increased rate of tarnishing (corrosion) so what was once lustrous now becomes dull and unwanted. Over many decades historic textiles decorated with silver alloys lose their apparent beauty and cannot be placed on exhibition, which would indicate to the viewer that they have not been properly cared for. There is the challenge that most, if not all, chemical cleaning agents leave deposits on the surrounding textile that is very difficult to remove and bleeding of the polish residue into the textile is not only unwanted it can also cause accelerated decay.



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ANTI-CORROSION PACKAGING FOR: STORAGE LOGISTICS PRESERVATION



100% Reliability
Corrosion Prevention for all Applications.



Efficient
Intercept Technology saves Time and Money.



Oil-free
No more need to oil. Ready for action.



Environmental
Saves material and protects the environment.