



OBJECT PRESERVATION

www.interceptaustralia.com.au

In comes Intercept to the rescue

Textile conservator Rinske Car of the Denmark River Textile Conservation Studio (WA) has conducted a two (2+) year Intercept preservation trial on a Papal Guard Jacket belonging to a local community museum.

Close inspections of the object, using an electronic microscope (SEM), shows mobilisation of the silver sulphide from the surface and the thicker layers deeper inside the structure are apparently thinning out. Metallic braid removed from the treated jacket, after 2 years passively stored in an Intercept copper bag, has shown a massive reduction of silver sulphide on the gilded silver braid and circumvented the need for any wet or chemical cleaning procedure. 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!

The passive treatment of composite metal, silver and textile artefacts provides two major advantages for the effective conservation management of military and ecclesiastical collections. When typical exhibition schedules involve several years between conception and fruition, the re-packing of military uniforms and vestments into Intercept bags is a sound procedure as it will remove the sulphide corroded tarnished layers and also provide an insect-proof storage microenvironment.

Dr Ian D MacLeod

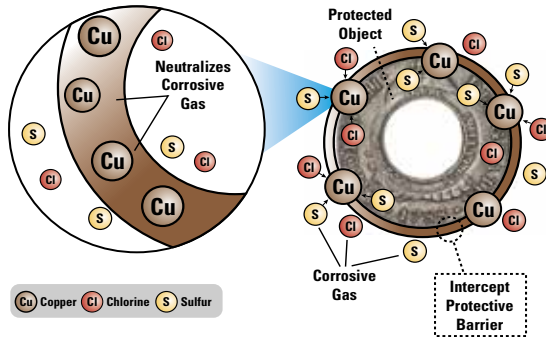
Fellow, Western Australian Museum
Western Australian Maritime Museum



How Intercept Works

Pollution & atmospheric gases degrade numerous objects, artworks & sculptures that are most at risk when in storage. The innovative Intercept Technology comprised of highly reactive copper particles bonded into a polymer matrix, creates a barrier that neutralizes these atmospheric gases as they penetrate the film, creating a clean micro-climate. The copper particles also inhibit the growth of mould & bacteria. Corrosion Intercept films can prevent penetration of Chlorine & Sulphur for up to 10+ years.

The Chemistry behind Intercept



Archival In Australia

Intercept Technology products have successfully been used for preservation of numerous objects, sculptures, artefacts and textiles in museums & art galleries around the world. In Australia, Intercept is being used by the likes of the National Museum of Australia, The National Gallery of Australia & the Powerhouse Museum to name a few. The preferred products for Object Preservation are the Intercept CI copper coloured films and foam.

Application examples include use of the IC Cabinet Filtration (ICCF) foams in display cabinets; various sized CI bags for smaller objects, silverware, coins & badges etc.; CI Copper lay flat film & CI Stretch film for in-house crate lining and customised packaging of larger objects & artefacts & as layers in cloth covered support boards.



In the field...

Examples of Intercept Technology

(CI – copper film) Applications in Museums:

- **Sheffield Museum**
- **National Botanical Archives USA**
- **National Archives of USA**
- **Royal Mint of England:** Use CI Laminated Foam, die cut for Coin Set Casings
- **National Gallery (Smithsonian)** uses CI film as backing for artwork (a majority of contaminants were coming in through the walls)
- **Philadelphia Museum of Art** uses CI film to store objects and paintings (and also for transportation)
- **Getty Museum** uses bags and film for object storage
- **Boston Museum of Fine Arts:** Pam Hatchfield, Head of Objects Conservation uses CI film for packaging all types of objects
- **Colonial Williamsburg Foundation** has lined display and storage cases with CI film to protect predominantly silver objects
- **The Harvard Museum** has purchased bags for storage of fabrics and metallic threaded garments
- **Minneapolis Museum of Art** uses CI film & bags for objects storage
- **The Victoria & Albert Museum** use Intercept Foam Filtration for Jewellery protection
- **Guggenheim Museum:** Protecting sculptures
- **Museum of Modern Art:** Protecting art works
- **Indianapolis Museum:** Protecting sculptures
- **Japan Museum (Katotech):** Protecting artefacts
- **Tate Gallery:** Protecting digital data
- **Kew Gardens (UK):** Protecting digital data and seeds
- **Fine Arts Express:** Artefacts storage and logistics
- **National Museum of Australia**
- **National Gallery of Australia**
- **Endangered Heritage**
- **Powerhouse Museum (Australia)**
- **National Gallery of Victoria**
- **Tasmanian Museum & Art Gallery**
- **International Conservation Services Sydney (ICSS)**
- **Fremantle Prison Museum**
- **New Norcia Benedictine Museum**
- **Artlab Australia**
- **Museum of Australian Democracy (Old Parliament House)**
- **Geoscience Australia (Mineral Collection)**
- **Archdiocese of Hobart Archives & Heritage Collection**
- **Royal Historical Society of WA**
- **Museum & Art Gallery Northern Territory**



PACKAGING FOR
STORAGE LOGISTICS PRESERVATION



100% Reliability
Corrosion Prevention for all Applications.



Efficient
Intercept Technology saves Time and Money.



Oil-free
Non off-gassing



Environmental
Saves material and protects the environment.