

News Update

Newsletter Issue 11

Welcome to the Jungle Corrosion of Metal in the Tropics



Byrnegut's Indonesian mine site location

Byrnegut Mining Pty Ltd was established in 1987 as a contract mining company. Since its inception the company has developed a reputation for professionalism and reliability.

Today, it has grown into a group that employs over 1800 people, operating a multi-million dollar fleet of specialised underground mining equipment.

PT Byrnegut's Indonesia Division approached UnderRaps™ to offer anti-corrosion oil free packaging solutions that would enable the shipping and storage of mining equipment to a remote mine site in Asia.

Byrnegut has experience in some of the most remote and challenging locations in the world including: Burkina Faso, Indonesia, Democratic Republic of

Congo, Europe, Africa and Kazakhstan. It has gained first-hand knowledge of the skills necessary to overcome extremes in weather and remote location logistics.

The company's speciality is providing first class mining capabilities to any international location.

UnderRaps™ recommended Intercept Corrosion Shrink- film® as the best solution to shipping the large equipment from Western Australia to its destination in Asia and then storing it in a tropical environment until required for implementation.

Levon Wilson, UnderRaps™ leading technician was then flown to the site with the required Intercept product to make the equipment ready for the return trip back to Australia. In the end, the equipment did the full cycle protected by the Intercept Technology™ product.

Common Corrosive Gases

We need to combat both the moisture relative humidity (RH) carrying the salts as well as the corrosive airborne corrosive gases that produce corrosion on metal objects in warehouses, and on metal spare parts or other objects stored in non Intercept products.

The use of non chloride desiccants to control the initial dew point combined with Corrosion Intercept® packaging will act to eliminate corrosion.



Winder ready to be sent back to Australia



Power pack ready to be sent to Indonesia



Winder ready to be sent to Indonesia from Perth



Winder destined for Indonesia



Website: www.underraps.com.au

Intercept Technology™

working with Oil and Gas

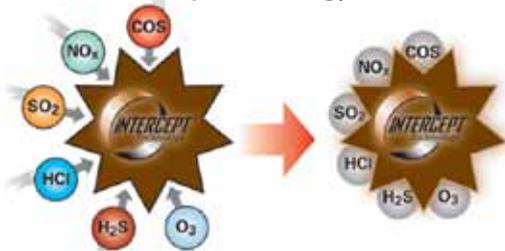
The Best Corrosion Protection for the Oil and Gas Industry

Intercept technology packaging:

- ✓ Does not outgas!
- ✓ Contains no oil or volatiles
- ✓ No handling issues
- ✓ Reusable packaging
- ✓ Recyclable materials
- ✓ Light weight
- ✓ Able to be compacted
- ✓ Minimal carbon footprint
- Winner of the German environmental prize for corrosion protection.
- Does not require the use of additional coatings nor does it require backfilling with inert gases.
- Long lasting protection for all metals and materials such as rubber and plastics.

Humidity and temperature independent.

How Intercept Technology Works



Intercept delivers protection by reacting with and then permanently neutralising the corrosive elements.

GORGON PROJECT UPDATE



Transportable buildings on Barrow Island

UnderRaps™ has been working with Australian Portable Camps as well as Ausco to achieve the environmental requirements that allow for the transportable buildings to be shipped to Barrow Island.

UnderRaps™ and its agents are able to offer full cleaning, fumigation and wrapping of site equipment such as cranes, trucks and



National Oilwell Pipe Racking Systems Norway to Korea



Sub-sea Umbilicals Woodside Supply Base Western Australia



Framo sub-sea pumps Woodside Supply Base Western Australia



Aggreko power plant ready for shipment offshore



Riser Pipes



Cleaning Rods

cement batching plants. UnderRaps™ is now implementing the Corrosion Intercept® films that will meet quarantine requirements as well as provide corrosion protection for parts and equipment while at site laydown. As Intercept

products do not contain any oil or release any contaminants that may harm the environment, workers or animal life.

Intercept Technology™ is setting the standard in environmental and sustainable packaging.



Website: www.underraps.com.au



Evidence Preservation Packaging for Short to Long -Term Storage



ID theft secure passport sleeves

Identity information is forever at risk from prying eyes, as hackers have equipment which can read the personal information ID chip in your passport from a distance while in your purse, wallet or coat pocket. Only Intercept Technology™ Secure Passport Sleeves provide permanent protection for your personal data by electronically shielding your passport from unauthorised access.

The sleeves utilise multiple patented technologies developed by Bell Laboratories, and provide long-term effective protection. A multilayered protective metalised film encloses your passport to stop electronic eavesdropping in its tracks. Never take unnecessary risks with your passport, use Intercept Technology™ Passport Sleeves.



ID theft secure credit card sleeves

Identity theft is one of the fastest growing crimes, worldwide. Hackers can use hand-held devices to read your credit card information from a distance.

Your credit card information will be shielded from criminal activity by using Intercept Technology™.

Also, too many times the electronic swipe card malfunctions prior to its expiry date.

Intercept multi-layered metalised bags will help extend the life and usability of the card.



Digital data protection sleeves

Just as NASA lost all the data for one of its Mars missions due to bad digital data discs, your digital data on CD's, DVD's, DVR's, is at risk of damage. According to museum conservators, the average life span of a digital disc could be as little as 8 to 14 months. Intercept Technology™ lets you protect your investments, your memories, your pictures, your data the same way that intelligence agencies in the UK and museums all over the world protect their most valuable digital data.



Intercept Technology™ evidence collection/storage bags

The Intercept Technology™ Evidence Collection/Storage Bags will keep your critical evidence protected longer and inhibit degradation due to corrosion caused by moisture mixing with environmental pollutants.

The bags will prevent corrosive gases from entering and attacking the evidence and remove corrosive gases from the enclosed space. They are available in three sizes with one clear plastic side for easy evidence identification without the need to open.



Collection storage bags and boxes

The Intercept Technology™ collection storage bags keep critical vegetative evidence protected from degradation, mould and mildew. Features include sturdy, Kraft paper construction with the interior coated with Intercept Technology for long-lasting protection.



RF secure cell and smart phone sleeves

Cell and smart phones are used by criminals around the globe. Information on these devices can be invaluable in investigating a criminal's contacts, assisting in a successful prosecution. However, service providers offer specific user protection tools, allowing for information stored on these phones to be remotely erased. Only Intercept Technology™ RF Secure Cell/Smart Phone Sleeves provide the permanent shielding and protection that blocks the RF signal, making it impossible to remotely erase the forensic data stored on the phone. Together with a multilayered metalised film outside, the Intercept Technology inside provides a permanent anti-static environment for protecting electronics. Easily secured with an adhesive flap, the sleeve is a fully enclosed device designed to stop RF signals in their tracks.



Core sample preservation



Face and rock chip samples

In this application of Intercept technology, freshly exposed samples collected using a hammer and chisel are placed into Corrosion Intercept sample bags, secured with a zip-loc, and labelled. The bagged samples are then sent to the nearest collection point, where they are stored in a secure area pending shipment to a certified metallurgy laboratory for analysis. This provides a fresher un-oxidised sample for superior classification.

Diamond drill core samples

These rock drill cores obtained from diamond drilling are taken from the drill core barrel and immediately put into moulded plastic core trays, marked with the drill-hole number and depth information, as provided by the drilling contractor. The filled core trays are then placed in an Intercept bag, lightly vacuumed to remove the natural air and a small amount of nitrogen is injected. These Intercept bags are then heat bar sealed and transported to the nearest collection point, where they are stored in a secure area pending shipment. This process reduces oxidation without the need for expensive refrigeration storage.



Photos: courtesy of GXD Philippines.



Car Football

This mad game of smash up derby soccer was played at Perth Motorplex with a ball wrapped by UnderRaps™.

It was a great test of endurance to prove only UnderRaps quality films would last the test.

I wish we could say the same about the cars!

Photo: supplied by Motorplex.

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