



News Update

Newsletter Issue 10

Volkswagen South Africa's award winning Intercept packaging



For the second time, VW S.A. (www.vw.co.za) has received an award for its environmentally friendly way of working, with INTERCEPT TECHNOLOGY®. By the elimination of unproductive, energy-costly working processes and by excellent product preservation, as well as the reduction of working processes, the company was able to achieve considerable cost savings. The award recognized VW's achievement in exporting engine blocks, free from mineral oil-containing preservations, from South Africa to Kassel (Germany). During the whole packaging process 4,080 liters of oil, 24,871 liters of volatile substances and nine working steps were saved. The savings amounted to a two-digit percentage.

The much respected 'Environmental Award' was presented to VW SA on November 6, 2009 by the Chamber of Industry and Commerce. Present at the event were 640 high profile delegates from business, politics and the Mandela Bay Metropol Organisation. According to Mr. Charles Bakker (Manager of the team's engine plant) the award acknowledged 'the excellent achievement and innovation'. It was the first time that VW S.A. used INTERCEPT®

INTERCEPT TECHNOLOGY® received its first award in 2005 from the Germany Federal Institute for Occupational Safety and Health (www.baua.de) in recognition of its new, unique environmentally friendly method against corrosion. It is most gratifying that now the famous VW Group has joined the many known enterprises, who like Toyota, BMW, Rolls Royce and many others, already use the INTERCEPT TECHNOLOGY®.



On December 1, 2009, VW's engine plant received, for the second time, the "VW-Innovation Award". The INTERCEPT TECHNOLOGY® has been added to the packaging guidelines of the VW Group.



Congratulations to the team at the VW Group for these awards.

UnderRaps™

Working with Chevron partners in helping to protect the Gorgon environment



Website: www.underraps.com.au



UnderRaps™ National Team implements our wrapping process to help secure a Giant

UnderRaps™ recently worked with KJV (Kellogg Joint Venture) to implement a system that would allow large items to be fumigated and transported to Barrow Island — a Class 'A' Nature Reserve — while preventing the introduction of animals and plants from crossing the quarantine barrier.

Before demonstrating its solution to KJV, UnderRaps™ manufactured specific recyclable plastics in order to determine what types of shrink films would achieve the following desired outcomes :

- Compatible with the fumigant and recyclable
- Ease of application
- Able to withstand the journey to the island

Several items were chosen for the trial wrap such as portable accommodation units and a drill rig.

On arrival on site, the rig was inspected. Other than some minor dust and insect remains, the exterior of the wrapping remained intact and remarkably clean.

When opened the shrink wrapping revealed no contaminants at all. Another positive to come from the experience was the discovery of a large, heavy steel bolt that had worked itself loose from the rig during transport but was kept safely within the shrink wrapping.

Overall, this was a highly successful result for the geotechnical investigative works team. Further investigations are currently under way into the suitability of this process for other materials and equipment. To date a large quantity of earth moving equipment has been sent to the island and by all accounts the UnderRaps™ items have met the challenge.

UnderRaps™ has also been working with our overseas affiliates in relation to equipment coming into Australia that will have to conform to AQIS and Chevron requirements.

**Note the zipper door later to be used for access to remove the pest control devices before shipment to the island.*

Equipment wrapped for 4000 km road trip

UnderRaps™ South Australian agent N.U.E.S® is full steam ahead with items that are being shipped 4000km by road

from Adelaide to Dampier for barging to Barrow Island. To date, nearly 150 items have been shipped consisting of

accommodation modules , trucks and forklifts.



UnderRaps™ - Western Australian agent for Monarflex Containment and Fixing systems

THE TOUGH RE-USABLE SITE PROTECTION YOU NEED

Monarflex® presents a real solution to the problem of site protection. From installation to completion, Monarflex® provides a fast, reliable protection system that is so tough it is re-usable time after time making Monarflex® the most economical sheeting product on the market today.

THE ULTIMATE CHOICE FOR ENVIRONMENTAL PROTECTION

Complete containment makes Monarflex® the first choice for any environmentally sensitive project. Whether it is for the removal of lead based paint, other toxic substances or to contain dust and debris on a construction site, Monarflex® is the ultimate solution.

THE FAST AND SIMPLE TO USE FASTENING SYSTEM

The Monarflex® fastening systems are fast and simple to use. Eyelets spaced at regular intervals throughout the roll are sealed until used. The fastening accessories are designed to pierce the eyelet and allow the sheeting to be easily secured to the scaffold structure.

Monarflex®
CONTAINMENT SYSTEM



Website: www.underraps.com.au

Just as much **INTERCEPT®** as necessary!

INTERCEPT® 2 products have been applied successfully for the protection of materials against corrosion and accelerated ageing for many years.

A progression of our product range is our new packaging film which has been specifically adopted for use for periods of up to 24 months.

This packaging film has been developed especially for the protection of goods against corrosion and ageing during shipment via sea and air for shorter periods, which do not require the use of our usual long-term protection of up to 15 years.

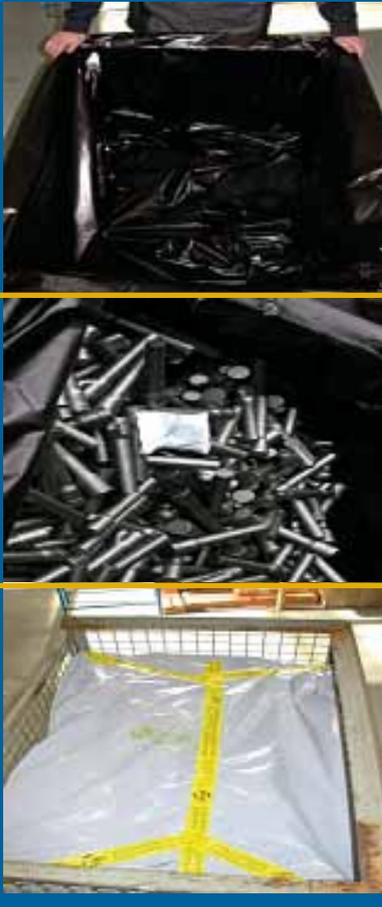
By adopting our technology to industry needs significant cost savings have been achieved in a number of applications such as :

- shipment of components CKD, SKD.
- bulk shipment of metallic parts and large-volume parts.
- complete systems and mixed-components.

The usual technical advantages of INTERCEPT® packaging materials are still there such as:

- protection of ferrous- and non-ferrous metals, alloys, plastics and elastomers.
- does not require oil, wax, or any other secondary protection material that needs removal*
- no outgassing of chemical substances (Nitrite, Phenols, etc.).
- proven functionality even under harsh temperature conditions during transport and storage (-35°C to +80°C)
- Awarded the German Prize for Occupational Safety (BAUA)
- warranted functionality
- recyclable

*It might be necessary depending on packaging design to use a small amount of desiccant.



New product to preserve evidence and weapons

Revolutionary Intercept Technology™ Evidence Preservation Packaging for short to long-term storage materials is especially targeted at the law enforcement industry. This is the next generation of evidence storage protection. Intercept delivers long-term defence, specifically designed to preserve all materials degraded by atmospheric pollution and the damaging reactive gases that cause corrosion, mould and mildew.



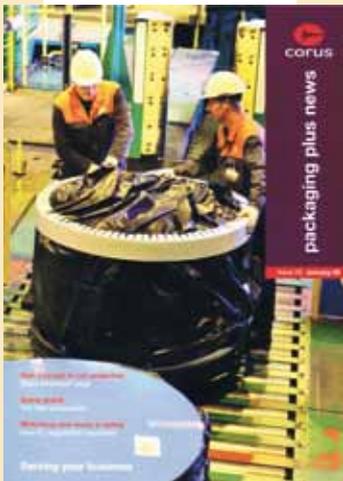
New Static Intercept® bags for coils

Following extensive testing, Corus Packaging Plus has decided to replace the existing VCI plastic bag packaging on its coils with a Static Intercept® bag. The new Static Intercept® wrapping is made from PE, embedded with small copper particles.

Static Intercept® will start replacing the VCI bags for Corus Packaging Plus coils. The change commenced with material supplied from the company's IJmuiden plant. Trostre and Duffel followed in 2009.

"Customers have reported occasional issues with electrostatic discharge when unpacking coils," says Marco Clots, packaging specialist at Corus Packaging Plus. "We listened to these comments very seriously and took action. It has taken two years of development and testing to make sure we have the right answer. We think that the new Static Intercept® bags put us ahead of the rest of the industry. At the moment other suppliers of plastic bags are giving guarantees about protection against corrosion and electrostatic discharges on alternative packaging. However, there have been no tests yet to support these guarantees and testing usually takes about 2-3 years."

The new bag has other benefits. Tests have shown that it offers enhanced corrosion protection compared to the existing materials. The PE material is food safe, as recyclable as the existing VCI bags, easy to handle and has no health or environmental restrictions. It has been tested according to EU regulations for plastics (2002/72/EC standard for food safety).



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UnderRaps™ East Coast News



Brisbane Bypass Tunnel borers to Germany

UnderRaps™ agents Integra Packaging® QLD recently shrink wrapped six large tunnel boring machine bearings for shipment to Germany .

Corrosion **Intercept®** shrink film was chosen to provide the corrosion protection for the journey.

STEP Electronics - high-tech protection

UnderRaps™ agent Integra Packaging® NSW recently provided a challenging solution for Step Electronics. It was not the first time Step threw a challenge at Integra Packaging and its team immediately set about providing a solution.

Context: Step Electronics was required to supply a deployable 3.8m satellite antenna to a customer in a robust, reusable packaged format.

Challenge: One of the biggest challenges was to provide a case for the antenna's petals. This was no mean feat as the internal dimensions of this case were 2.2m x 2.2m x 1m high. The Pelican/ Hardigg cases incorporated Intercept Technology™ Canvas.



UnderRaps™ W.A. Sales Manager



UnderRaps™ welcomes Ian Read to his role as Western Australian sales manager. Ian has run businesses applying high quality coatings to super yachts and has represented automotive coatings companies in sales.

Until recently, Ian was in the recruitment sector working out of the Philippines supplying workers to Australia and abroad.

Ian joined UnderRaps™ in 2009 to project manage the human resource requirements for the Gorgon project and is now keen to take UnderRaps™ products incorporating Intercept Technology® into the Western Australian market.

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